

APPLICATION SPECIFICATIONMicro-Lock Plus 1.25 SINGLE ROW CONNECTOERS

This application specification is written in English and Japanese.

本取扱説明書は、英文及び和文で記載されております。

English 英文 : Page 1~33

Japanese 和文 : [Page 34~66](#)

【1. APPLICATION】

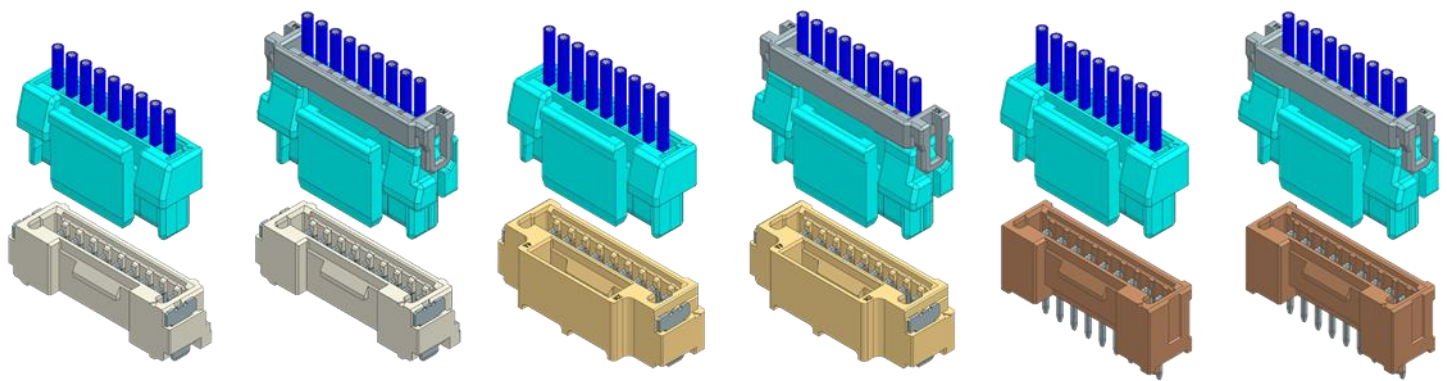
	Product Name			Part Number
HARNESS SIDE	RECEPTACLE HOUSING			505565 series 204532 series 214526 series
	RECEPTACLE CRIMP TERMINAL			505431 series 214529 series
	PLUG HOUSING (WIRE TO WIRE)			214525 series
	PLUG CRIMP TERMINAL (WIRE TO WIRE)			214524 series
	APPLICABLE WIRE			AWG #26~30
	RETAINER			214528 series
ONBOARD SIDE	PLUG ASSEMBLY	VERTICAL TYPE	SMT	505568 series 204530 series 205957 series (PKG : Embossed tape)
			Through hole	220097 series (PKG : Tray)
		RIGHT ANGLE TYPE	SMT	505567 series 204529 series (PKG : Embossed tape)
			Through hole	220098 series (PKG : Tray)

※ Please refer to product specifications of each about product combination.

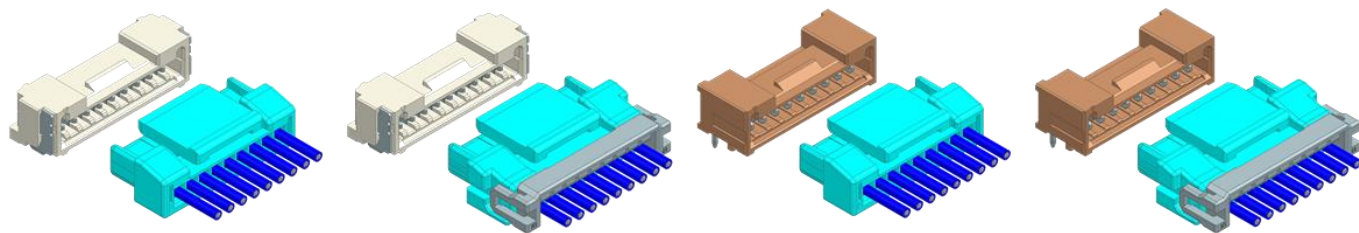
THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
CHANGE NO.	757367						
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	1 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

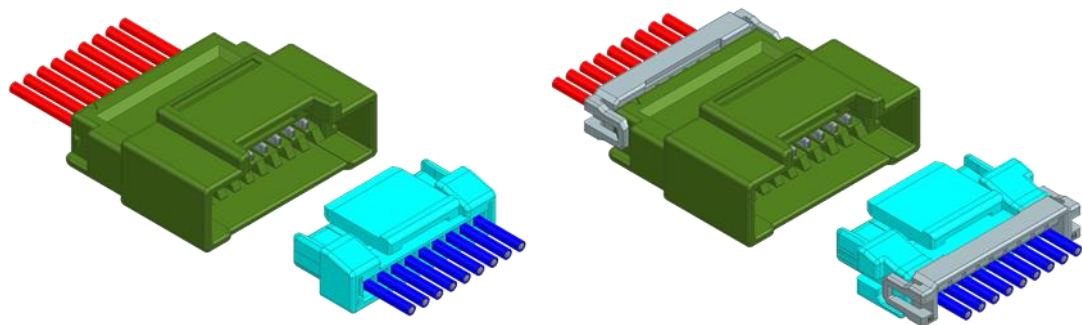
VERTICAL TYPE



RIGHT ANGLE TYPE



WIRE TO WIRE TYPE



- Before using —
- Be sure to read the following precautions before using connector.
 - Keep this manual handy for later reference.
 - The displays and illustrations shown in this manual are for illustrative purposes only and may differ from the actual product.
 - The contents of this manual are subject to change without notice.
 - If you find any mistake or there is anything that is not clear, please contact us.

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	2 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

Contents

1. <u>Application</u>	P-1
2. <u>The name of each part & explanation</u>	
2-1. Receptacle crimp terminal	P-4
2-2. Harnesses on receptacle side	P-5~6
2-3. Plug assembly (vertical SMT type)	P-7
2-4. Plug assembly (vertical SMT potting type)	P-7
2-5. Plug assembly (vertical through hole type)	P-8
2-6. Plug assembly (right angle SMT type)	P-8
2-7. Plug assembly (right angle through hole type)	P-9
2-8. Plug crimp terminal	P-9
2-9. Plug housing	P-10
3. <u>Instructions</u>	
3-1. Product exterior	P-11
3-2. Applicable wire and crimp tooling	P-11
3-3. About safekeeping before harness process and the surface mount process	P-11
3-4. Harness process and surface mount process instruction	P-11~12
3-5. About use in the machinery	P-13
3-6. About rating / performance standard	P-13
3-7. Use of the product	P-13
4. <u>Confirmation items of crimping wire</u>	
4-1. The appearance before crimping	P-14
4-2. The appearance after crimping	P-14
4-3. Crimping failure	P-15~17
5. <u>Wire bundling after crimping and package</u>	P-18
6. <u>Harness processing (crimping wire insertion method in receptacle housing)</u>	
6-1. Insertion of crimping wire	P-19~21
6-2. Insertion of retainer	P-22~23
6-3. Repair of crimp terminal	P-24
6-4. Removing retainer	P-25
7. <u>Banding of harness</u>	P-26
8. <u>Recommended packaging of cable harness and assemblies</u>	P-27~28
9. <u>Instructions of mounting on PCB</u>	P-29
10. <u>Instruction when mating</u>	
10-1. Mating process method	P-30~31
10-2. Recommended un-mating method	P-31
10-3. Wiring after mating	P-32~33
10. <u>Potting treatment</u>	
11-1. Recommended height of potting compound	P-33

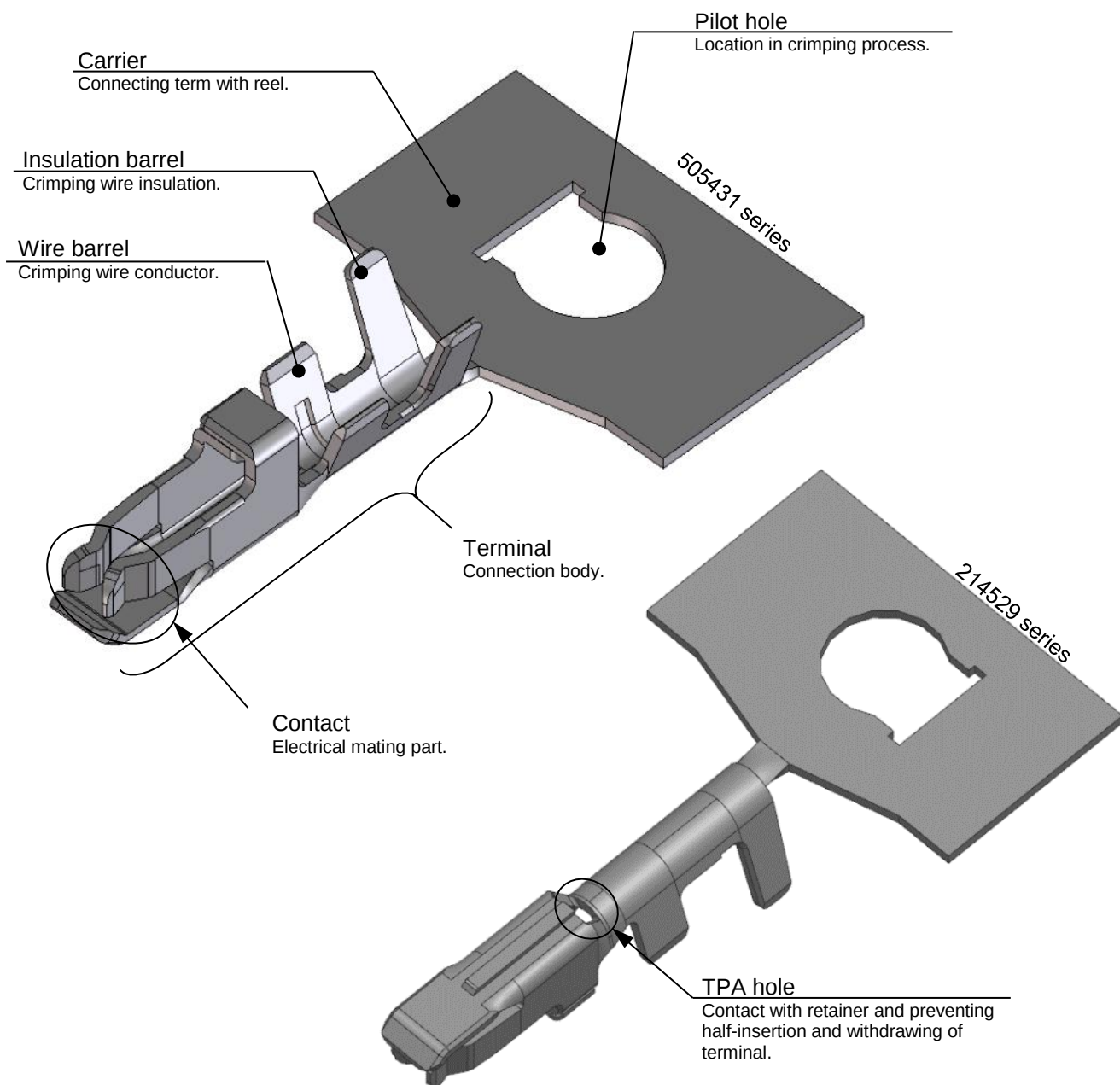
THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
CHANGE NO.	757367						
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	3 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

[2. The name of each part & explanation]

Shows Reel state

2-1. Receptacle crimp terminal : 505431, 214529 series



※ Please refer to sales drawing for product form and its dimensions.

5054311000-SD PSD 000
5054311100-SD PSD 000
2145290000-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

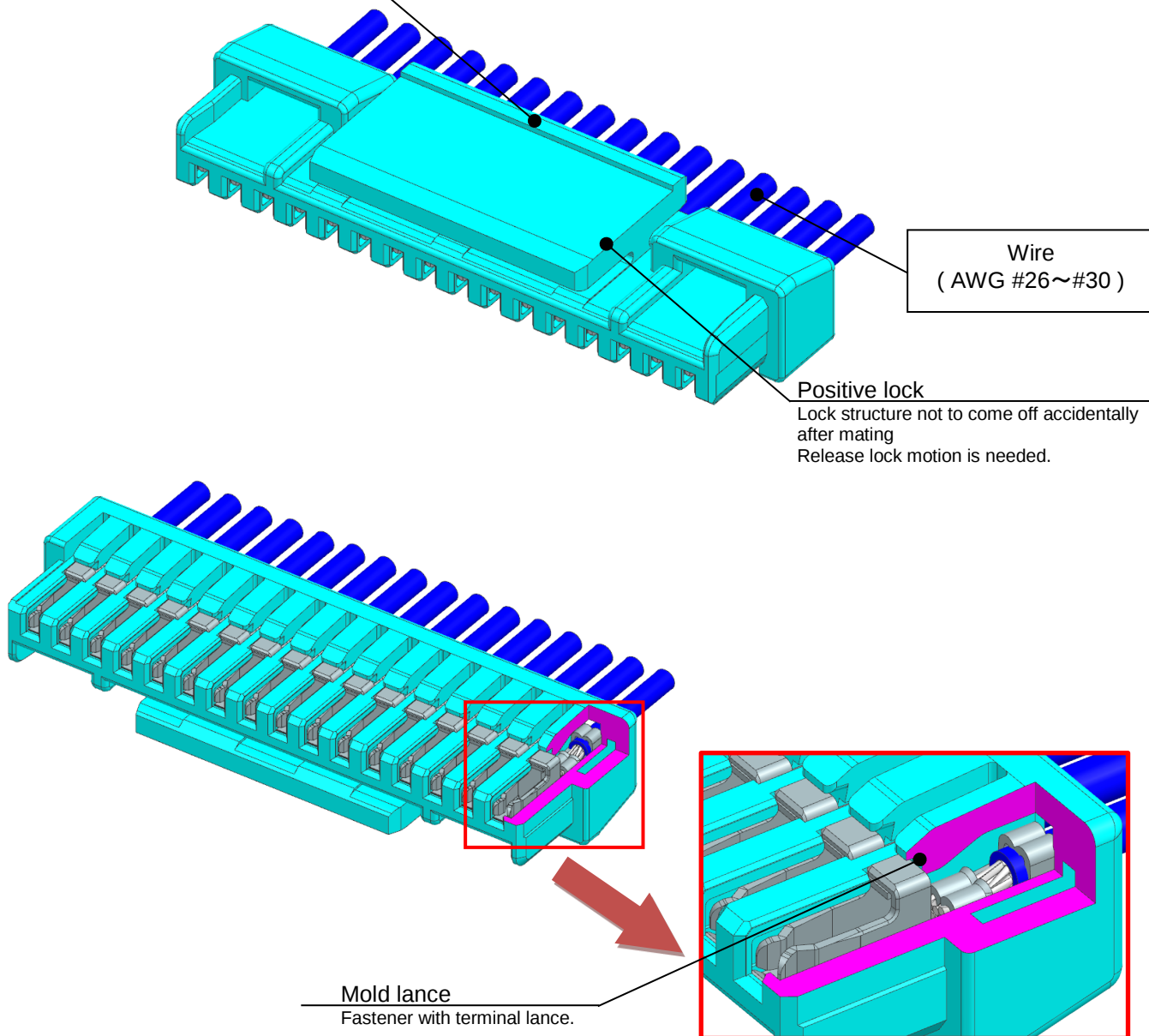
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	4 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

2-2. Harnesses on receptacle side

Receptacle housing: 505565, 204532 series

Lock release position

The position which pushes a lock.



Positive lock

Lock structure not to come off accidentally after mating
Release lock motion is needed.

Mold lance

Fastener with terminal lance.

※ Please refer to sales drawing for product form and its dimensions.

5055650002-SD PSD 000

2045320000-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	5 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

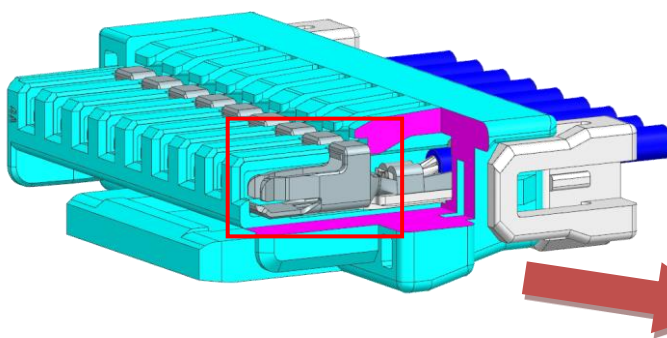
Receptacle housing: 214526 series

Lock release position
The position which pushes a lock.

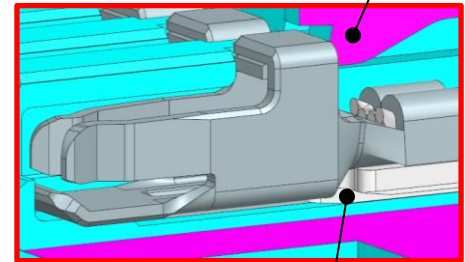
Retainer (option)
214528 series

Wire
(AWG #26~#30)

Positive lock
Lock structure not to come off accidentally after mating
Release lock motion is needed.



Mold lance
Fastener with terminal lance.

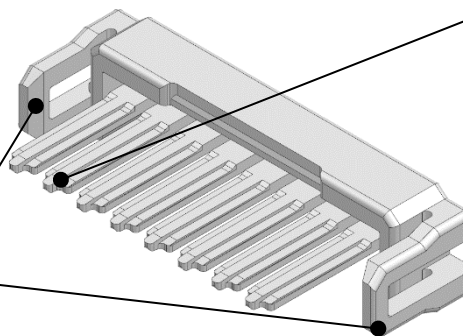


※ Please refer to sales drawing for product form and its dimensions.
2145260000-SD PSD 000

Retainer: 214528 series

Terminal pusher
The comb-like region for push each terminal completely.

Lock
Guide for insertion to housing, and hold the retainer on housing.

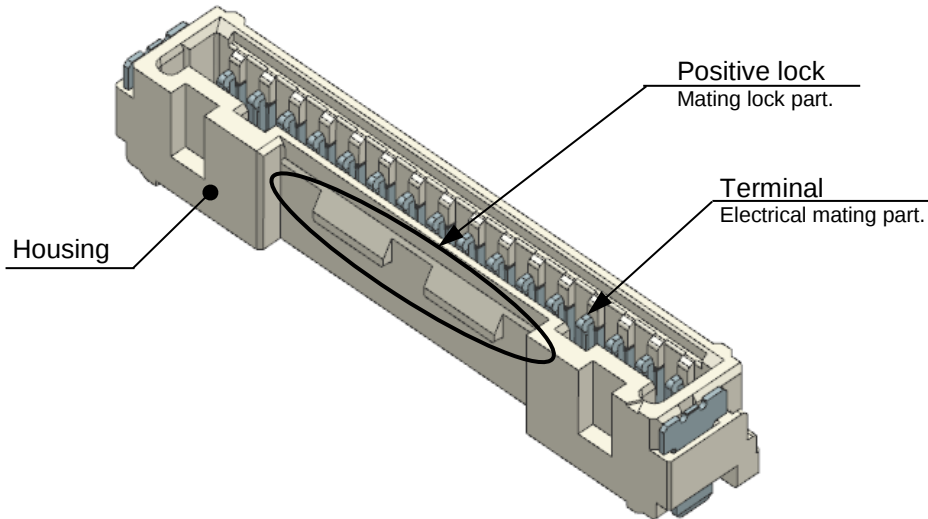


※ Please refer to sales drawing for product form and its dimensions.
2145280000-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	6 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

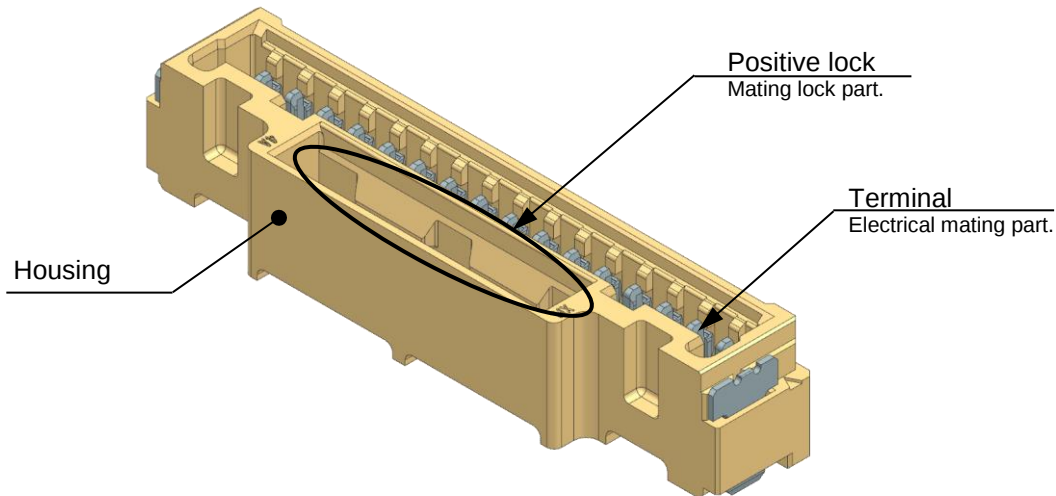
2-3. Plug assembly (vertical SMT type) : 505568, 204530 series



※ Please refer to sales drawing for product form and its dimensions.

5055680000-SD PSD 000
5055680010-SD PSD 000
2045300001-SD PSD 000
2045300002-SD PSD 000

2-4. Plug assembly (vertical SMT potting type) : 205957 series



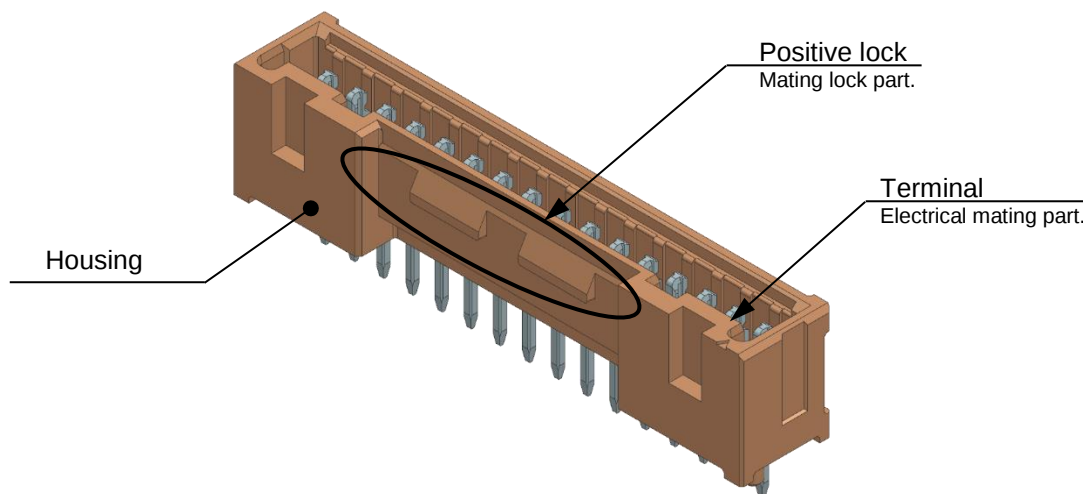
※ Please refer to sales drawing for product form and its dimensions.

2059573000-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

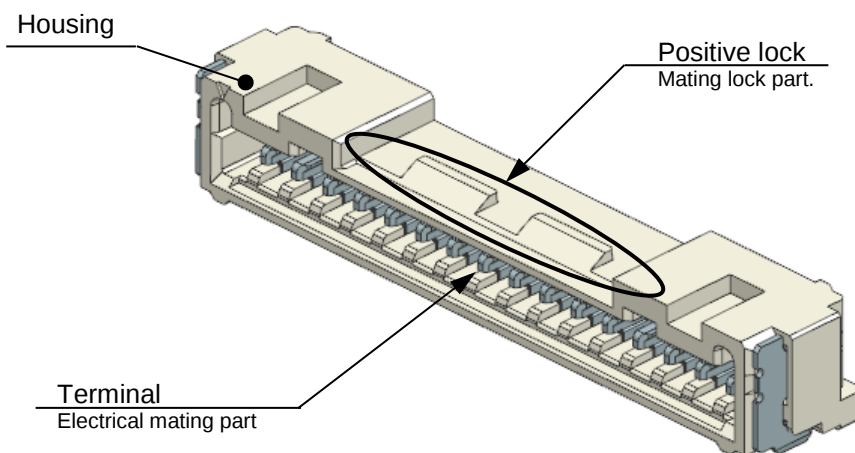
REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	7 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

2-5. Plug assembly (vertical through hole type) : 220097 series



※ Please refer to sales drawing for product form and its dimensions.
2200970000-SD PSD 000

2-6. Plug assembly (right angle SMT type) : 505567, 204529 series

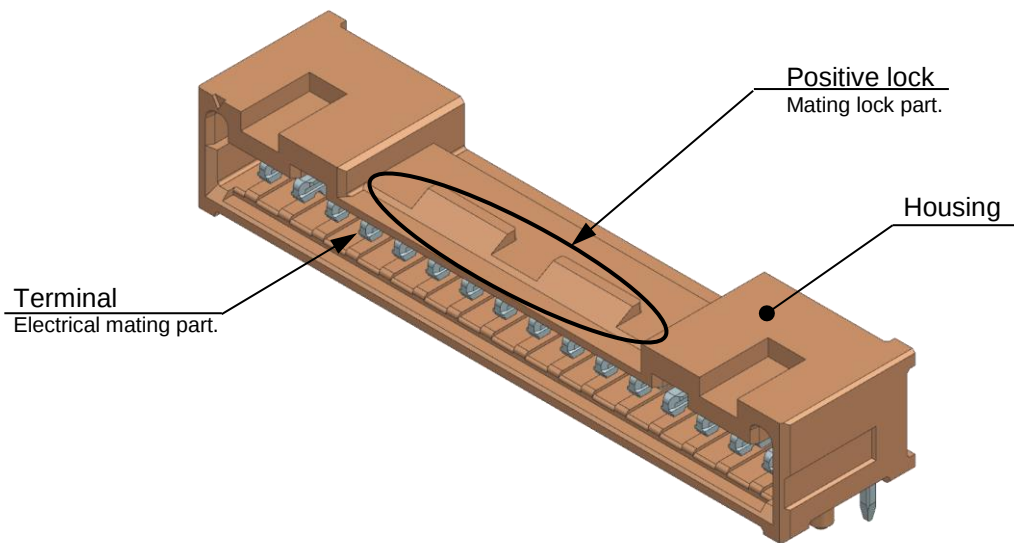


※ Please refer to sales drawing for product form and its dimensions.
5055670000-SD PSD 000
5055670010-SD PSD 000
2045290000-SD PSD 000
2045290001-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

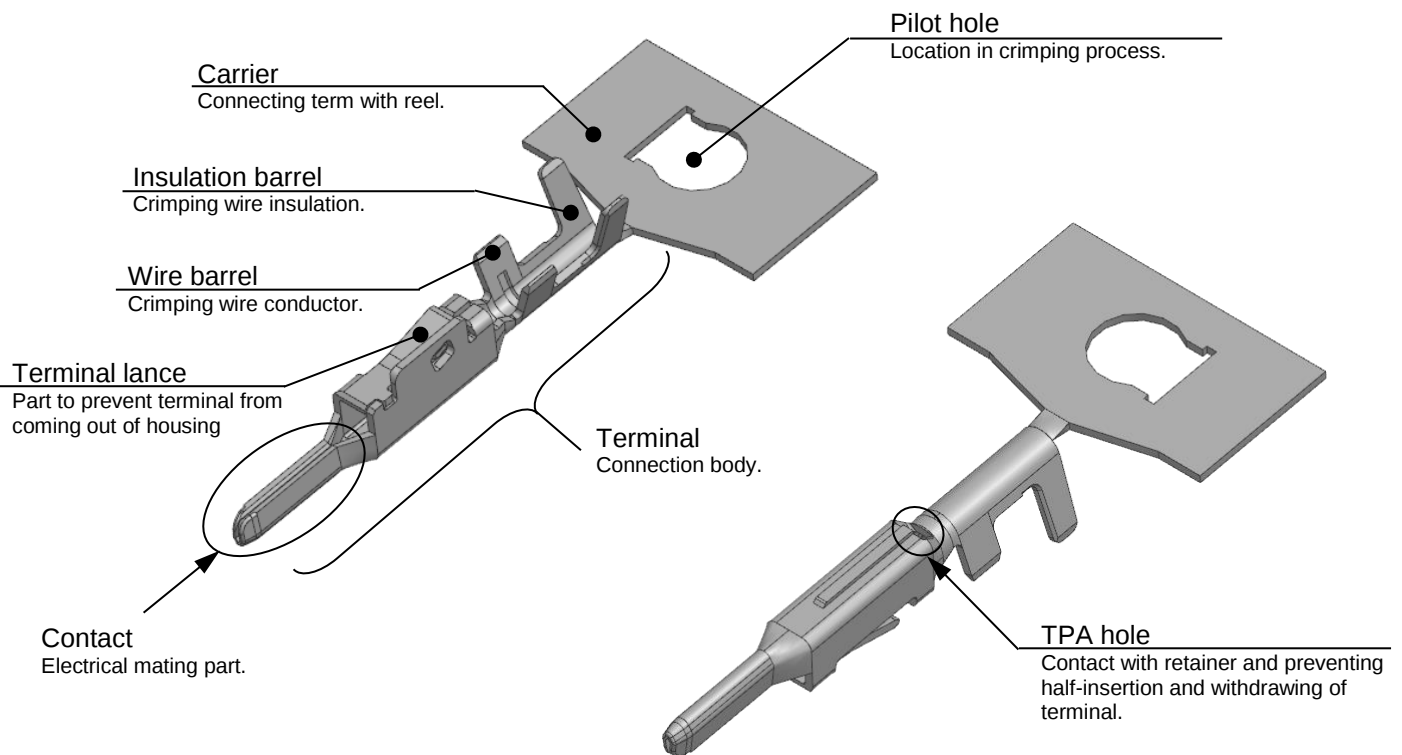
REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	8 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

2-7. Plug assembly (right angle through hole type) : 220098 series



※ Please refer to sales drawing for product form and its dimensions.
2200980000-SD PSD 000

2-8. Plug crimp terminal (wire to wire type) : 214524 series

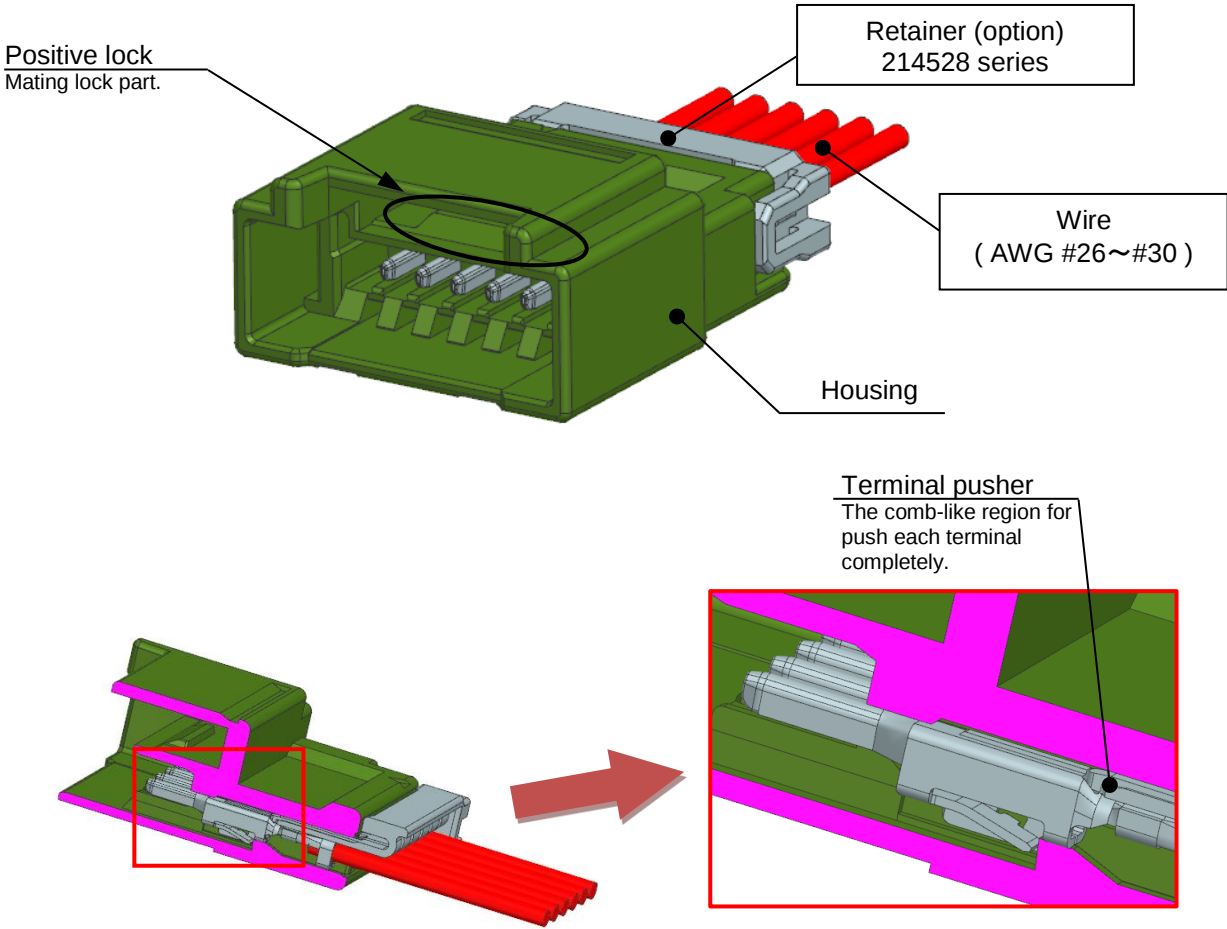


※ Please refer to sales drawing for product form and its dimensions.
2145240000-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							9 OF 66

2-9. Plug Housing (wire to wire type) : 214525 series



※ Please refer to sales drawing for product form and its dimensions.
2145250000-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	10 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

[3. Instructions]**3-1. Product exterior**

1. There is no influence on the product performance though the black spots or bubbles etc. might be confirmed on the plastic part of this product and the color might be different (discoloration by secular distortion etc.).
2. Slide marks may sometimes appear in plating part of the product, but there is no impact on the function of this product.
3. Resin and terminal plating may have some changes in color after reflow, but there is no negative impact on the function of this product.
4. Connectors may be damaged by applying force in the machines. Please confirm before use.

3-2. Applicable wire and crimp tooling

1. Guarantee is void when product is used with wire out of application range specified in the product specifications.
2. Guarantee is void when product is used with tooling not specified by Molex.
3. The recommended electric wire is tin plating. Please confirm separately about the use of other electric wires.

3-3. About safekeeping before harness process and the surface mount process

1. Please keep product with the delivery being in a state. Also, please keep it under normal temperature and humidity avoiding direct sunlight.
2. Please do not allow external force from being applied during the storage.
3. During handling, avoid shock or dropping products as it may cause damage.
4. First-in, first-out of the stock is recommended.
5. Keep product in original packaging before using.

3-4. Harness process and surface mount process instruction

1. Please confirm if the products and crimp machine, crimp condition, an applicable wire are equal to product drawing before use.
2. Beware of unintended damage caused by dust, debris, or foreign objects before using this product. It may result in unsatisfaction of the insertion performance to the housing and electric performance.
3. Please do not touch the terminal by bare hand.
4. When a terminal is twisted or tangled before or after crimping, please do not pull it by force. The terminal may become damaged.
5. Do not apply force to the product during work in process or in finishing goods. Product may be damaged and may not function properly as a connector.

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	11 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

6. Please do not expose a product and a harness half-finished goods to the following condition.

- Dust
- Corrosive material
- Corrosive gas
- High temperature and high humidity
- Direct sunlight

The above-mentioned conditions may cause poor contact and the corrosion of the terminal and the insulation performance deterioration of the housing.

Please keep in boxes.

7. Please do not add loads to connector and harness half-finished goods during production, packaging, transportation, or storage. It may cause damage and result in poor performance.

8. When pulling the electric wire of harness half-finished goods, contact defect may be caused by adding load to contacts, crimp parts and lock parts. **When performing the guidance wiring of the electric wire, do not apply excessive forces that the connector can't withstand.**

9. Do not damage receptacle crimp housing and a crimp terminal intentionally. Product performance can be affected by this condition.

10. Please use the product within the day the package is opened. Moisture absorption or drying may cause the deterioration of materials by neighboring atmospheres. When you cannot use it up, please seal the bag again and keep it in a box.

11. Please be careful not to be injured by the edges part such as metal parts when handling a connector.

12. To avoid injury, please be careful when handling the paper between terminals and metal carrier on reels.

13. Our evaluation is with the use of standard rigid PCB. When the product is used on flexible printed circuits (FPC) please evaluate in advance.

14. Please solder all the terminal departments and the nail part. Non-soldered part may cause defect.

15. In the case of changing our recommended board pattern size or design, please consult us in advance because such changes may cause defects.

16. Please do not apply to load the connector. For example, carrying the PCB when connector is mated may cause damage.

17. Please do not stack PCB after connector has soldered to PCB.

18. Please follow the conditions of specifications when the connecting connector with a soldering iron. For conditions exceeding specifications, the connector may be damaged.

19. When using a solder iron, please do not use excessive solder and flux. It may cause poor contact performance by solder wicking and flux wicking.

20. There may be changes in color of the resin part and twisting in the terminal plating parts depending on the flow conditions, but it does not degrade product performance.

21. Do not coil electric wires around the housing or the gap of the housing lock during harness processing and packaging of harness product. In addition, please do not pull an electric wire by force when an electric wire has coiled itself around the housing and the gap of the housing lock. If wire becomes tangled, it may cause terminal damage. Please do not apply load to housing lock when removing wires.

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	12 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

3-5. About use in the machinery

1. Vibration of an electric wire or printed circuit board due to machinery vibration or rotation must be avoided to prevent damage to connector at contact area. Contact failure due to abrasion may be caused. Therefore, please fix electric wires and printed circuit boards in the machinery and take measures to hold resonances.
2. Do not fix printed circuit boards only by using connectors. They must be fixed or supported by other means.
3. Please do not touch terminals and fitting nails before and after mounting on the circuit board.
4. Please insert and withdraw connector along fixed axis. The diagonal insertion and withdrawal cause damage to the connector.
5. After mating, do not intentionally apply force to span or rotate a connector. Such force may cause damage to connector or solder cracking.
6. If an electric wire is pulled after mating a connector, it may damage contact or crimping areas or the lock area and result in contact failure. When performing the guidance wiring of the electric wire. Please keep the wire loose to avoid applying excessive force to connector.
7. When withdrawing the connector, please hold wire lightly and remove the lock securely using the entire finger.
8. Plastic lances may be damaged after removing crimp terminals. Therefore, please use a new crimp housing when repairing a connector.

3-6. About rating / performance standard

1. Please use the product within the rating / the standard of product specifications.
2. This product is not designed for usage in "hot-swap" applications where power is on.
3. Please confirm that machinery design standards are satisfied before using the connector.
4. In order to avoid short circuits, please do not allow connectors to contact with metal objects.
5. Please avoid using current higher than the rated current.

3-7. Use of the product

1. This product is not designed and produced for the machine to be used under the condition involving human lives or for the use of system. If you use this product for special use such as medical, aerospace and nuclear power etc., please confirm us before using.
2. Please contact us without fail before using if you plan to use the product for automobile and ship etc. (We will consider if the product can be applied to such specification condition.)
3. Please avoid using the product outdoors or under similar environment.

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	13 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

[4. Confirmation items of crimping wire]

4-1. The appearance before crimping

When using the loose terminals products before crimping, please make sure that there is no deformation of the crimp terminal.

If you find that the terminals are tangled, please do not remove them forcibly.

Please refer to sales drawing for product form and its dimensions.

4-2. The appearance after crimping

Confirmation items and crimping failure after crimping are shown as follows. (Fig.4-1)

Please refer to ATS for specified crimp height, pull testing, and applicable wire specification.

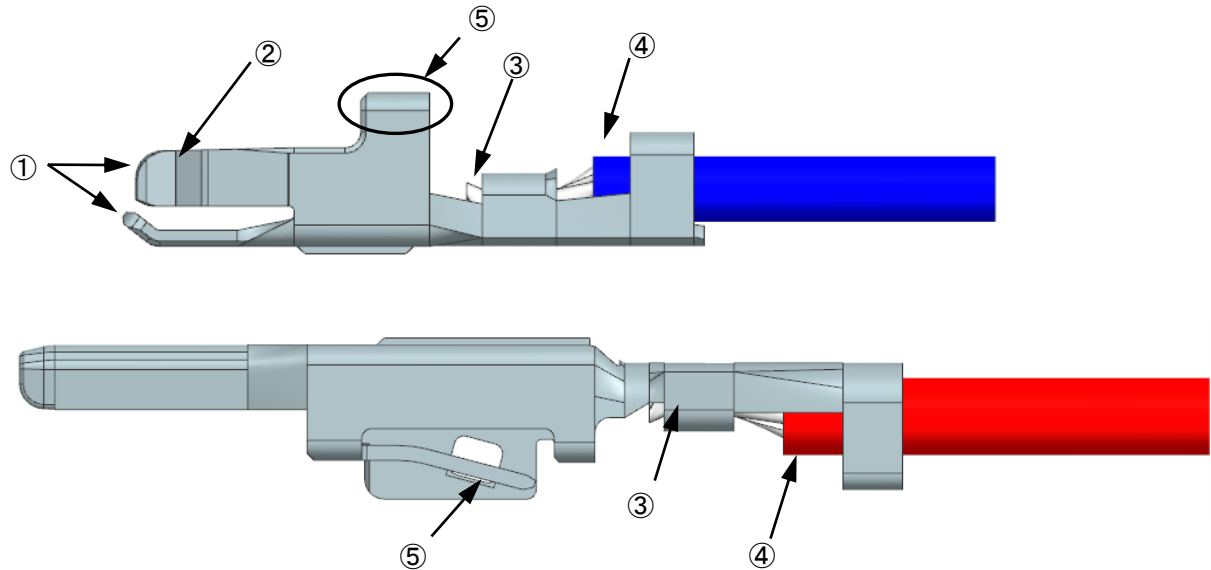


Fig.4-1

- ① No visible damage on terminal.
- ② No visible damage or deformation on contact area.
- ③ All wire strands are in conductor barrel.
- ④ The insulator part of the electric wire is located in the intermediate position of wire barrel and insulation barrel.
- ⑤ No damage on lance.
- ⑥ No damage on appearance. (Dirt / foreign objects)

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION		MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION						
REVISED								
CHANGE NO.		757367						
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C
INITIAL APPR	AIDA	DATE	2022/07/04					
								14 OF 66

4-3. Crimping failure

Please be careful of the crimping failure as shown below.
It may affect the insertion to housing and affect a product function.

① Bend up

It may deteriorate insertion to housing and terminal retention force or cause contact failure. (Fig.4-2)

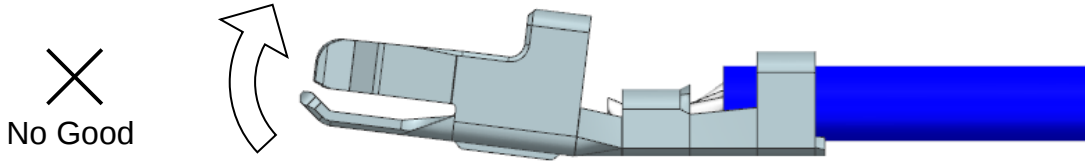


Fig.4-2

② Bend down

It may deteriorate insertion to housing and terminal retention force or cause contact failure. (Fig.4-3)

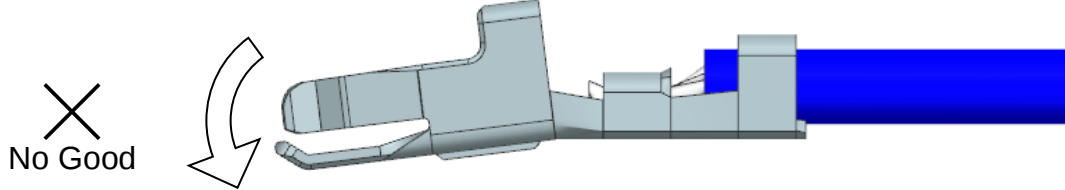


Fig.4-3

③ Twist

It may deteriorate insertion to housing and terminal retention force or cause contact failure. (Fig.4-4)

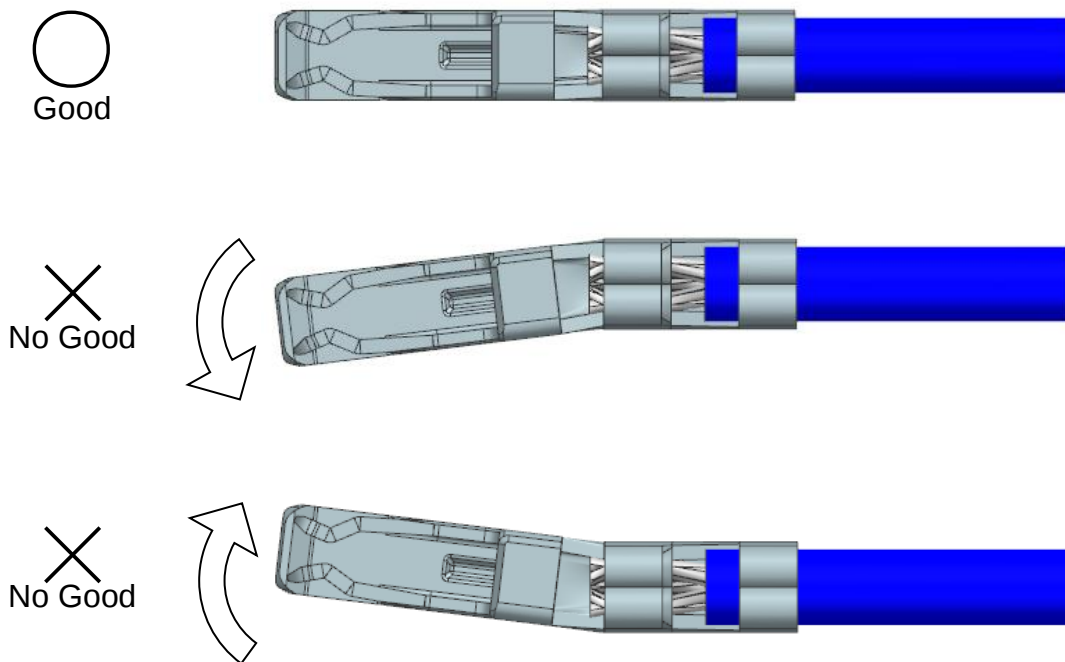


Fig.4-4

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	15 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

④ Rolling

It may deteriorate insertion to housing and terminal retention force or cause contact failure. (Fig.4-5)

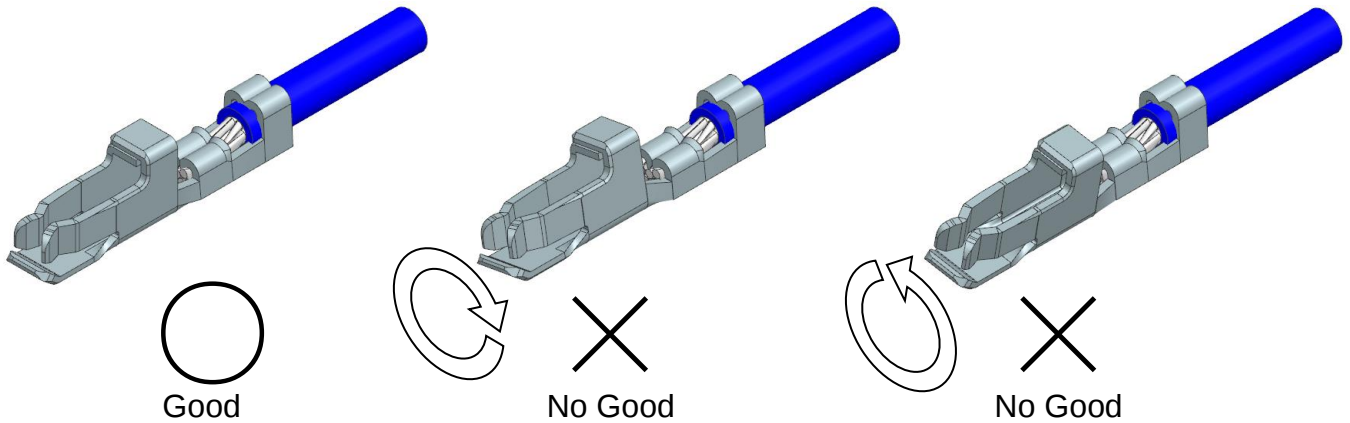


Fig.4-5

⑤ Crush and deformation of contact area and contact box

It may deteriorate insertion to housing and terminal retention force or cause contact failure. (Fig.4-6)

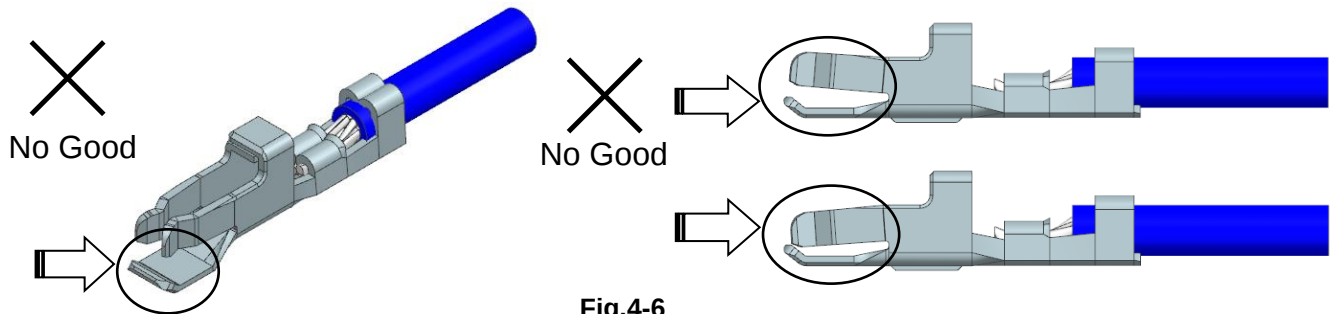


Fig.4-6

⑥ Wire strands are not inside the conductor barrel

It may deteriorate insertion to housing and cause contact failure. (Fig.4-7)

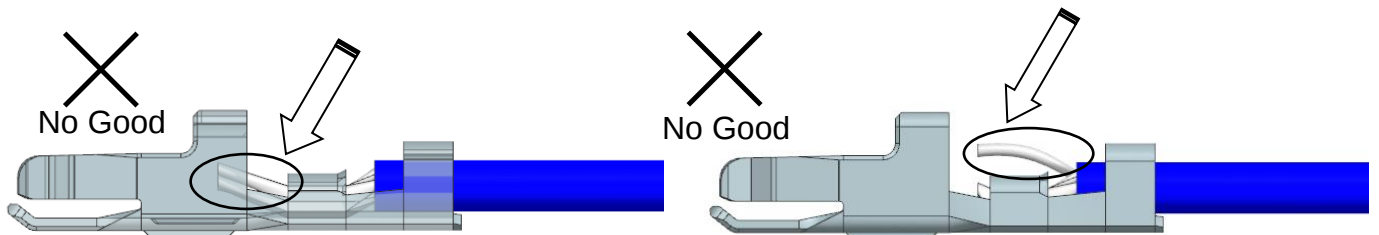


Fig.4-7

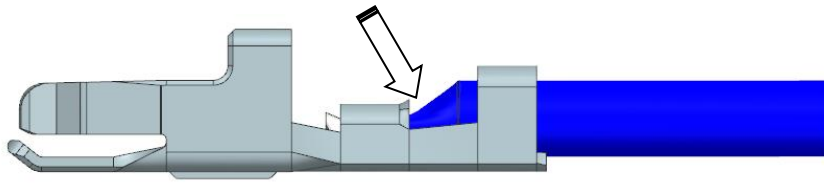
THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	16 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

⑦ Crimping position: Too front

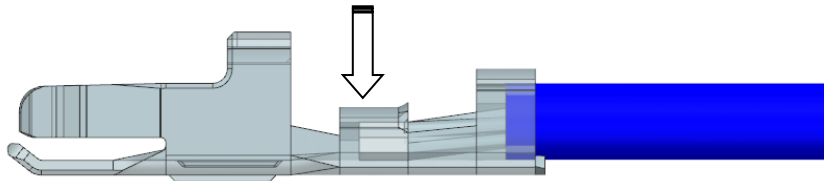
It may cause breaking of wire, deterioration of wire crimping strength and disconnection by crimping insulator. (Fig.4-8)

✗
No Good


Fig.4-8
⑧ Crimping position: Too back

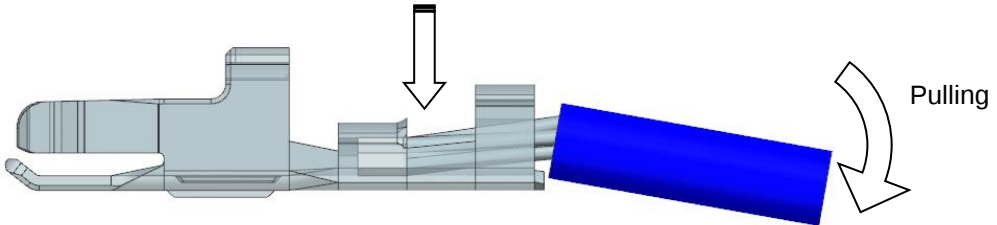
It may cause deterioration of wire crimping strength and disconnection by not having enough crimping margin. (Fig.4-9-1)

✗
No Good


Fig.4-9-1

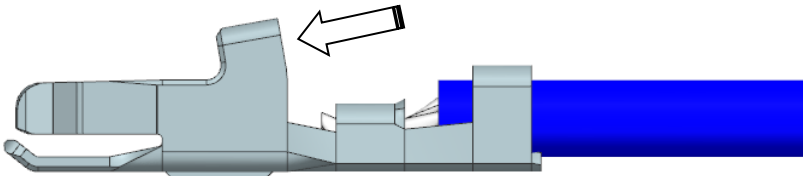
As wire Insulation is not crimped completely, wire insulation falls off easily when wire is pulled. (Fig.4-9-2)

✗
No Good


Fig.4-9-2
⑨ Deformation of terminal lance

Locking of the terminal becomes insufficient and causes lowering of the terminal retention -force. (Fig.4-10)

✗
No Good



Deformation (Crushed)

Fig.4-10

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							17 OF 66

[5. Wire bundling after crimping and package]

Please check for damaged terminal and wire insulation, when bundling wires.
Please check for the quantity per packing-box.
Do not over pack crimped wires in a box as there is risk of damaging terminals.

Instruction

- ※ When bundling wires (**Fig.5-1**), please be careful not to apply excessive force to terminals.
- ※ When packing bundled harnesses after processing in package box, in order for force not to be applied to connector for a long period of time by piling up, please put product alternately (cross shape) in a fitting box. (**Fig.5-2**)
- ※ Please lay buffer material on the bottom and top of the package box.
In order to avoid applying force to connector for a long period of time by stacking the wires, please lay buffer material. (**Fig.5-2**)

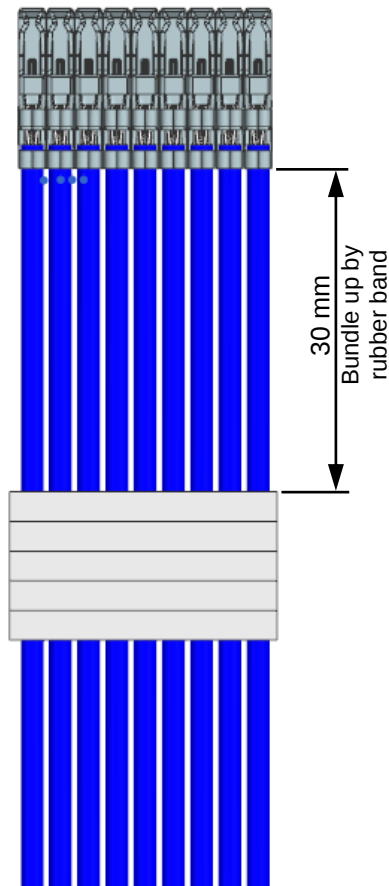


Fig.5-1

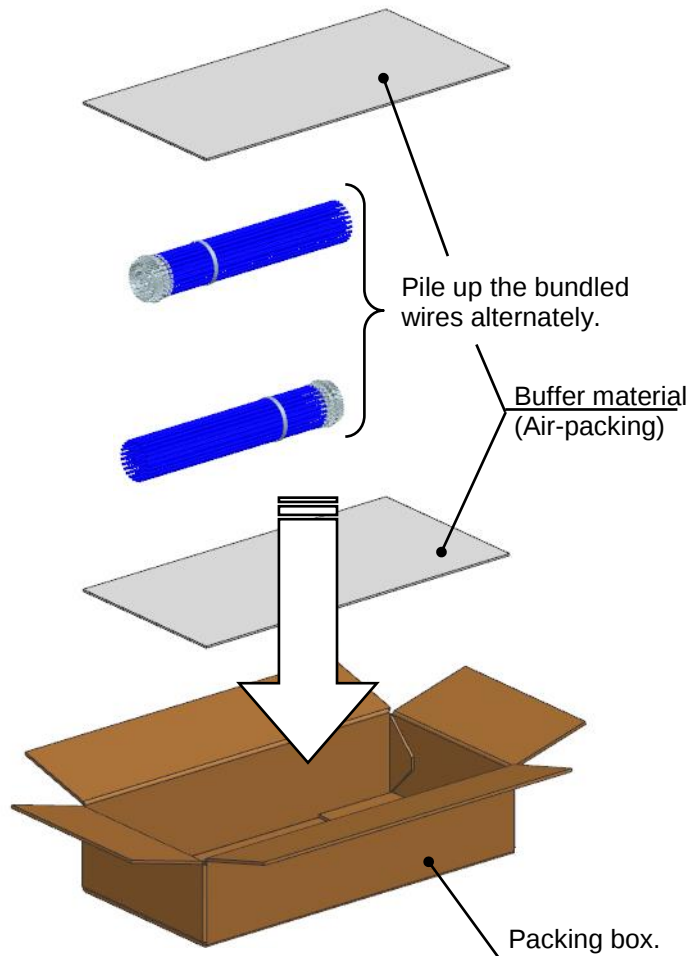


Fig.5-2

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							18 OF 66

[6. Harness processing (crimping wire insertion method in receptacle housing)]

Insertion procedure and instructions (※) of the crimping wire are shown as follows.

6-1. Insertion of crimping wire

- ① Hold receptacle housing by pinching right and left side.
- ② Please hold the cable at about 10mm away from the crimp-end with a finger lightly.

Instruction

- ※ If you hold the wire at a position distant from terminal, wires will be easily bend and it may be difficult to insert.
- ※ Distance value depends on wire gauge, UL, etc. Please confirm with the wire that you chose before using.
- ③ Hold the terminal lance part toward center of receptacle housing and insert terminal slowly and straightly till the tip of terminal touches housing (with force of 4.9N MAX). (**Fig.6-1**)

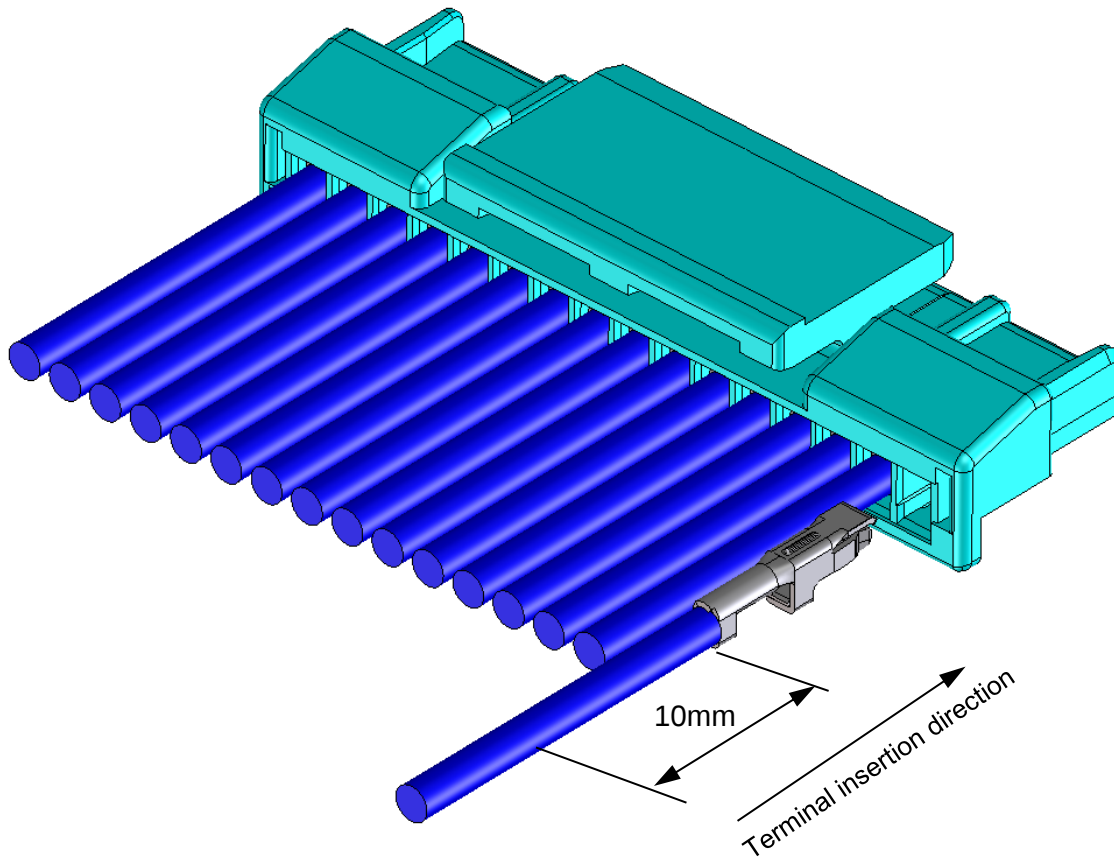


Fig.6-1

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION		MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION						
REVISED								
CHANGE NO.		757367						
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		19 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04					

Instruction

- ※ If crimping height and width are too large, there is a problem for the terminal insertion.
Please follow the instructed crimping height. (Please refer to Application Tooling Specification (ATS))
- ※ If you feel unusual such as hooking during the insertion, please do not continue by force. After confirming there is no damage of terminal or receptacle housing, it can be inserted again. If the damage is found, do not use the Terminal and receptacle housing.
- ※ Please use care with the direction of terminal when inserting to receptacle housing.(Fig.6-2, 6-3) Please be careful that the terminal is not upside down, not having an angle, or not rotated 5 degrees max against receptacle housing. These may cause terminal deformation or damage to receptacle housing.

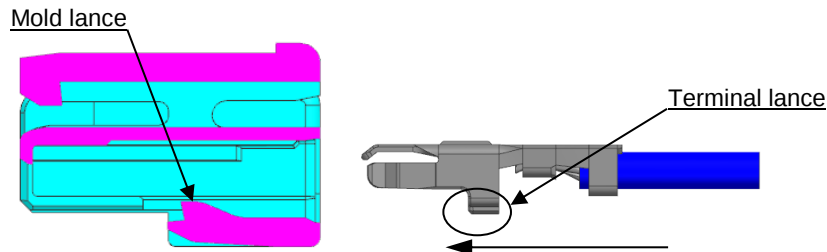
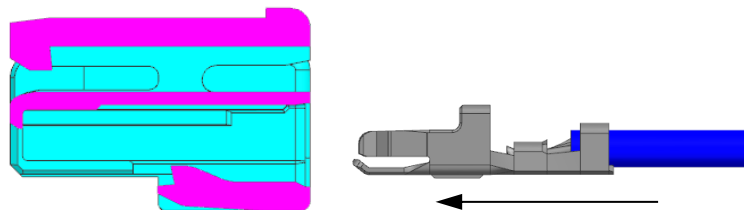
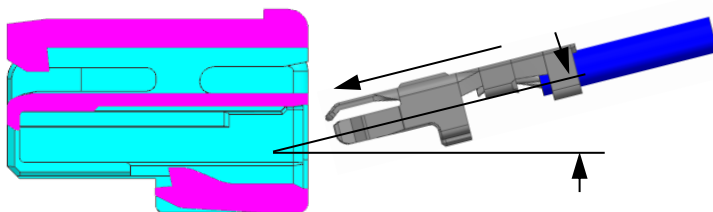


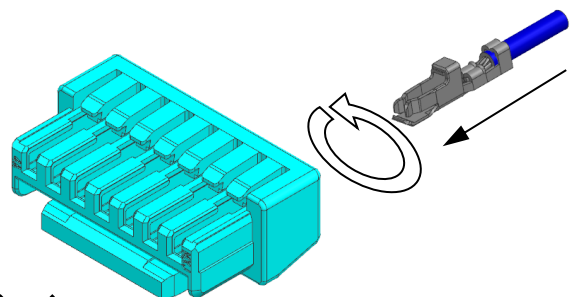
Fig.6-2 Right insertion direction



Upside down direction



Having an angle



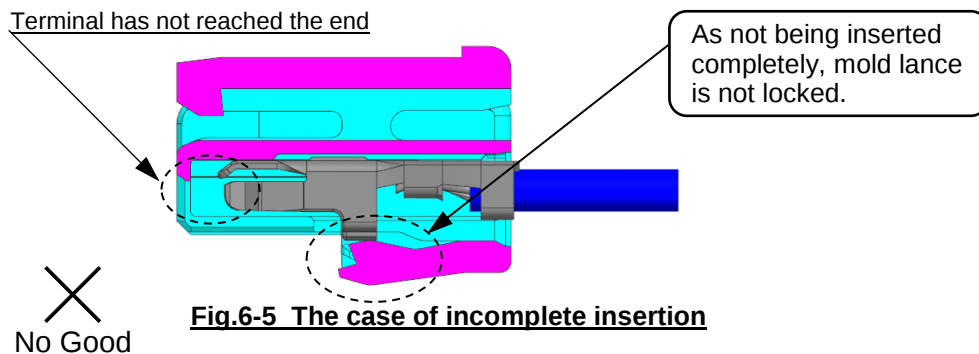
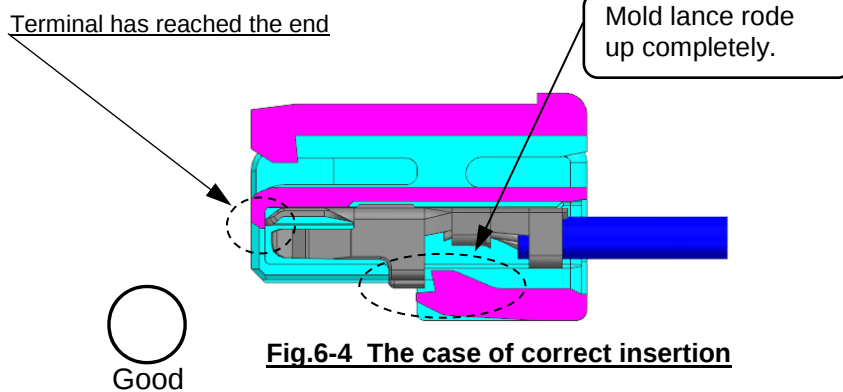
Rotated

Fig.6-3 Inappropriate insertion direction

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							SHEET
							20 OF 66

- ④ After inserting the terminal, please confirm if terminals are not pulled out from receptacle housing by pulling wires lightly (with about 100g force)
(Confirmation by excessive tension might break connector.)
- ⑤ After inserting all terminals, please confirm the position of terminal lance part by looking through window of receptacle mold lance. If they are inserted correctly, terminal lance is at the position where terminal lance rode up mold lance properly and you can confirm clearance by shaking them axially lightly. **(Fig.6-4,6-5)**



※If they are inserted correctly, terminal lance is at the position where terminal lance rode up mold lance properly and you can confirm clearance by shaking them axially lightly.

Instruction

※If terminal is inserted incompletely, terminal lance is not locked with mold lance and terminal is not retained.

※In the area of incomplete insertion(see **Fig.6-5**), terminal lance is transformed the most. (Therefore, mold lance of harness with such condition is transformed and not go back to correct position, resulting in degradation of retention force even though it is re-inserted.) In this case, please be sure to change with a new terminal.

- ⑥ When checking harness after processing, please avoid bending wire excessively or with tension. That might cause contact failure because force was added to terminal crimping part or receptacle housing lance part.
- ⑦ When having a conduction check, do not attach anything besides applicable mating connector. That might cause contact failure because of transformation of terminal etc.

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							SHEET
							21 OF 66

6-2. Insertion of retainer

- ① Hold the housing and retainer lightly so that the right and left sides are pinched.
- ② Insert retainer from the direction shown in **Fig.6-6**.
- ③ Align the retainer lock with the guide ribs on the housing and place the retainer slowly and straight until the claws are fully applied. (**Fig. 6-7, 6-8**)

Instruction

- ※ Retainer is an option. You can use housing without retainer. Retainer helps your complete insertion, and prevents from dropping terminal.
- ※ Do not forcibly insert the product if you notice any abnormalities such as caulking during inserting. Make sure that there is no deformation of the retainer before re-inserting. Do not reuse the retainer if deformation is found.

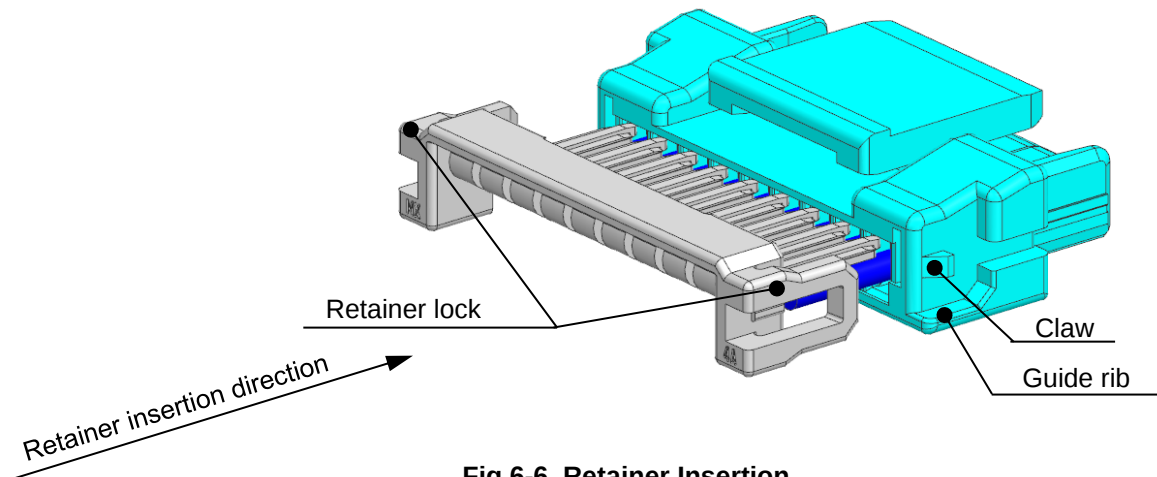


Fig.6-6 Retainer Insertion

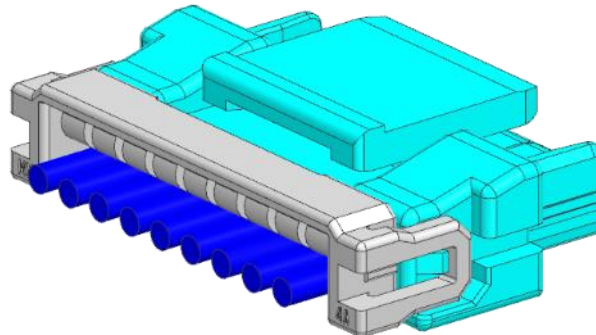


Fig.6-7 Inserted fully

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							SHEET
							22 OF 66

- ④ Check the locking section must not ride onto is not overlapping the hook of the housing side (**Fig. 6-9**) and retainer is not deflected (**Fig. 6-10**) visually after retainer inserting.

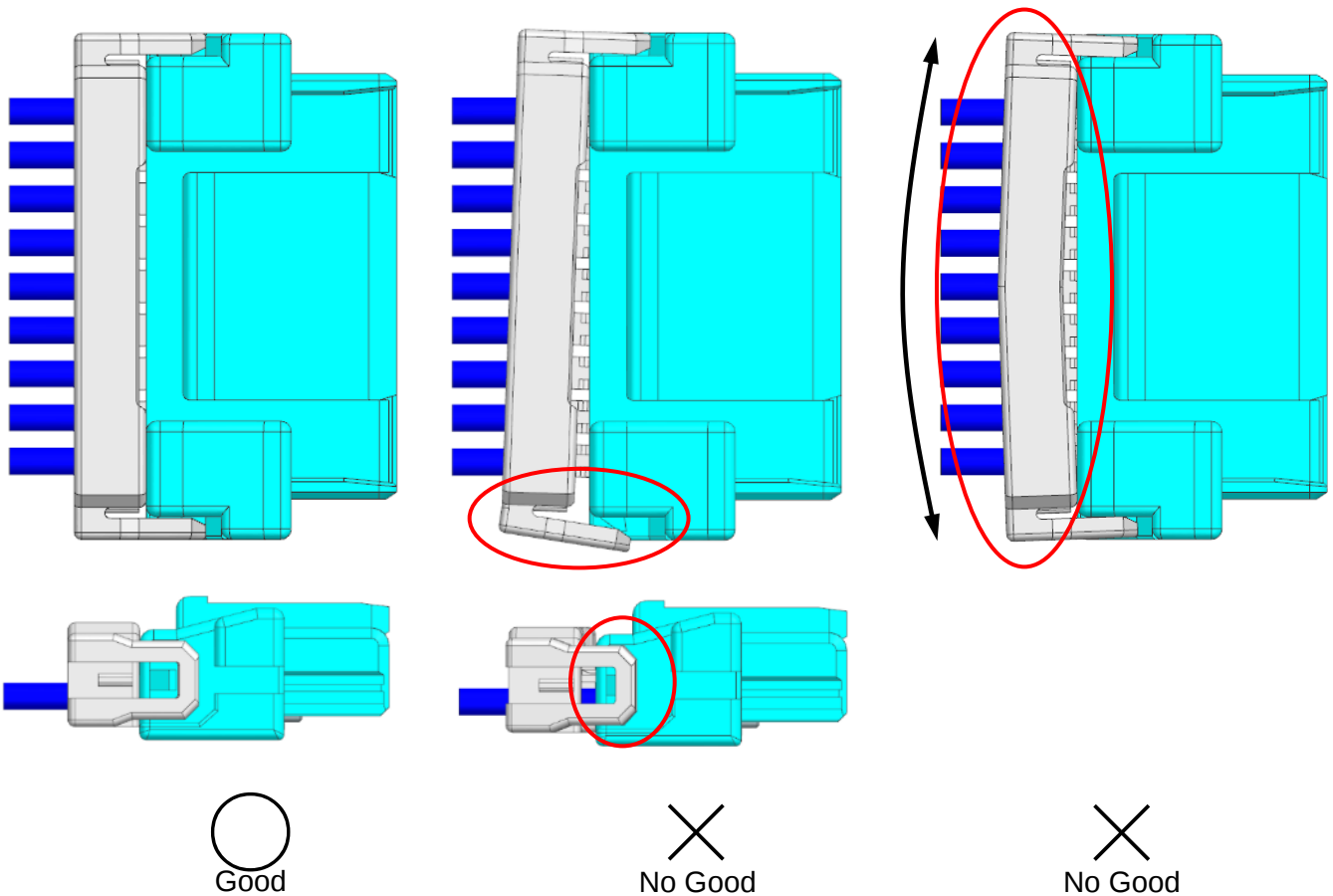


Fig.6-8 If fitted correctly

Fig.6-9 Riding on a claw

Fig.6-10 Retainer is deflected

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		C	23 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				
				5055650000-AS			

6-3. Repair of crimp terminal

For receptacle terminal

When you withdraw the crimp terminal inserted once, please withdraw it with raising mold lance using something sharp like needle.

However, mold lance is transformed by being raised. As strength of the transformed lance decreases extremely, the terminal might come off easily from housing even if you insert it again. **Therefore, please be sure to change the receptacle housing to a new one when you repair crimp terminal.** Also, please use an appropriate magnifying glass and repair with caution. **(Fig.6-11)**

※Please avoid pulling off terminal by force.

※When repairing, please be careful not to deform or scratch terminal lance.

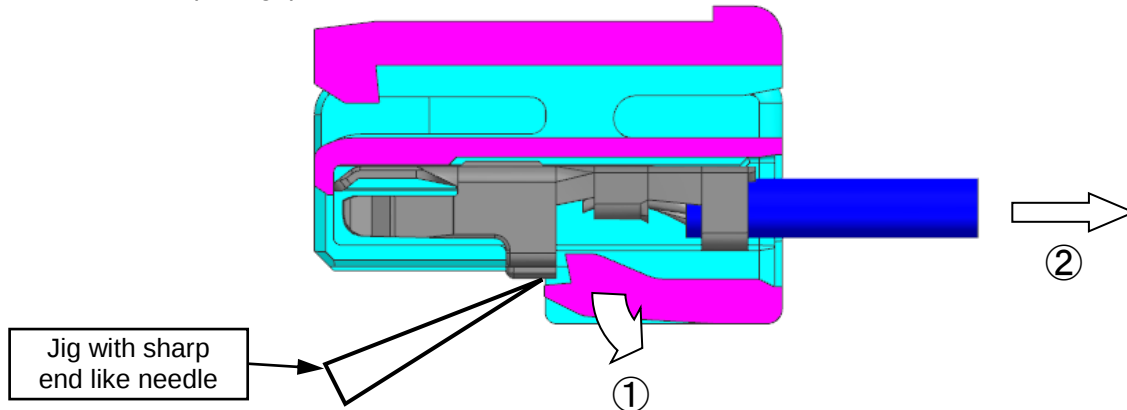


Fig.6-11

For plug terminal

When you withdraw the crimp terminal inserted once, please use jig to lift up terminal lance. Terminal lance is deformed by being lifted up. Therefore, please be sure to raise up the terminal lance by using the same jig for raise up portion. Also, please use an appropriate magnifying glass and repair with caution. **(Fig.6-12)**

※Please avoid pulling off terminal by force.

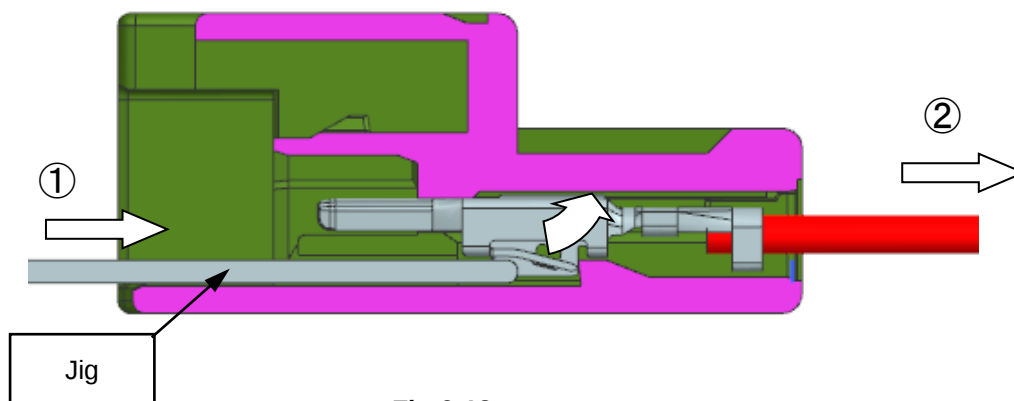


Fig.6-12

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C 24 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

6-4. Removing retainer

When removing an inserted retainer, ① lift the lock at both ends of the retainer using a flat blade screwdriver, and ② pull out the retainer. However, if the lock is widely lifted, plastic deformation will occur. The deformed locking part may not satisfy the specified strength due to the reduced terminal holding force. Therefore, **do not reuse removed retainer, use new retainer.** (Fig.6-13)

- ※ Be sure to lift the locks on both ends before removing them.
- ※ Avoid forcibly removing retainer. Otherwise, damage to the housing, terminals and cables can result.

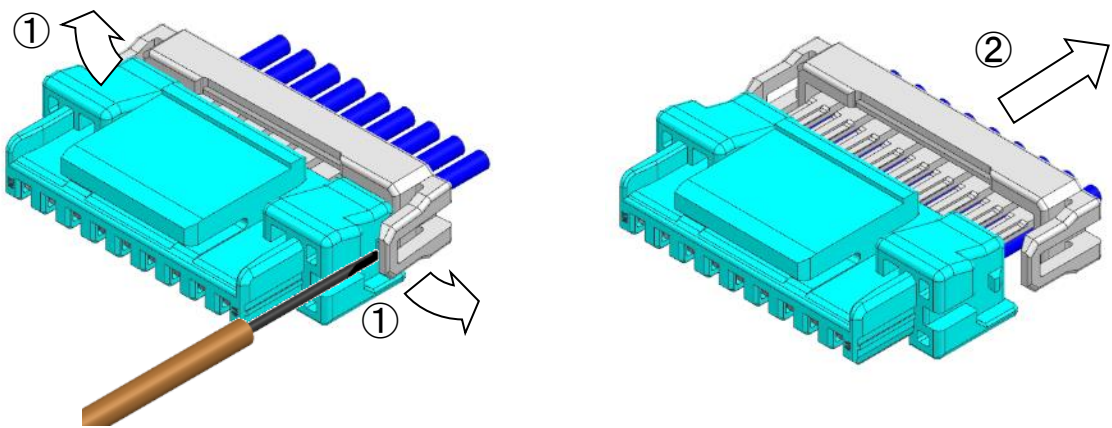


Fig.6-13

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION			DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD			000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	25 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

【7. Banding of harness】

When banding harness after processing, please be careful with the following point.

- ① Please bundle the wires at more than 50mm away from connector and uniformize the force applied to each wire. **(Fig.7-1)**
- ② As for the harness, please do not apply force to only one wire (or a few particular wires). **(Fig.7-2)**

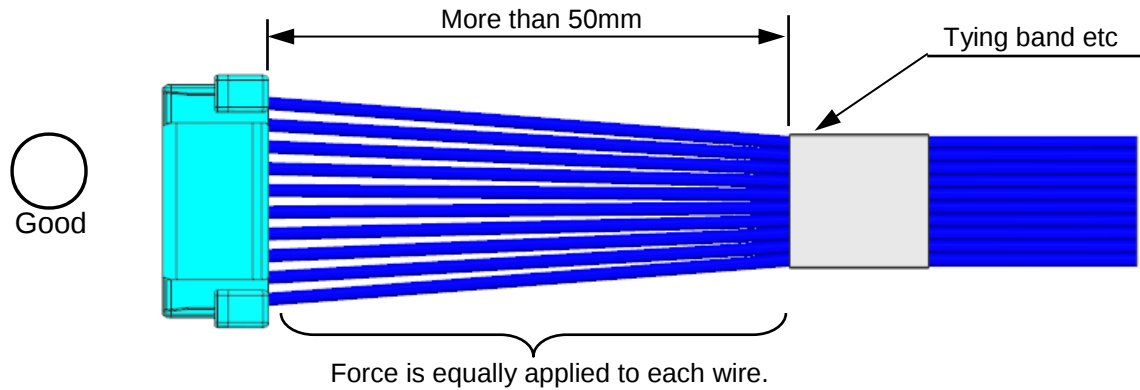


Fig.7-1 Harness is bundled properly

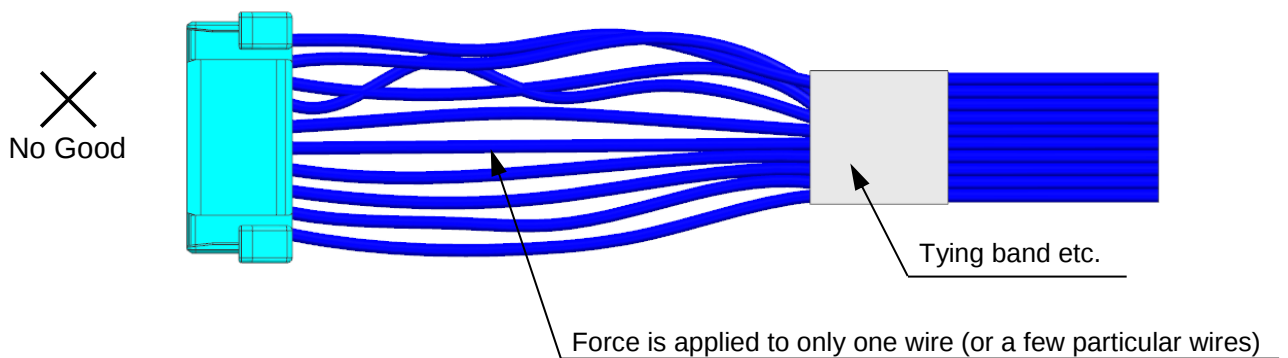


Fig.7-2 Harness is bundled improperly

Instruction

- ※ When harness is tangled with each other, please do not pull them by force. That might cause damage to connector because extreme force is applied to terminal and it may come off from connector.
- ※ Please do not drop the product or hit it against other objects.

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							26 OF 66

【8. Recommended packaging of cable harness and assemblies】

When packing harness after processing, procedure and instruction (※) are shown below.

- ① Bundle the harness after processing. Please band 20 harness at most in one bunch.

Instruction

※ When bundle the harness, in order to avoid applying excessive force constantly, please do not use anything that fastens tightly such as rubber band. Please band at the center (at one point) with vinyl string. Please take measure to protect connector from shock or load by wrapping each bunch of connector with air packing. **(Fig.8-1)**
When some harness is banded, each connector contact and part of lock might be loaded. In that case, deformation of lock part etc. might cause defective performance because the lock being down all the time.

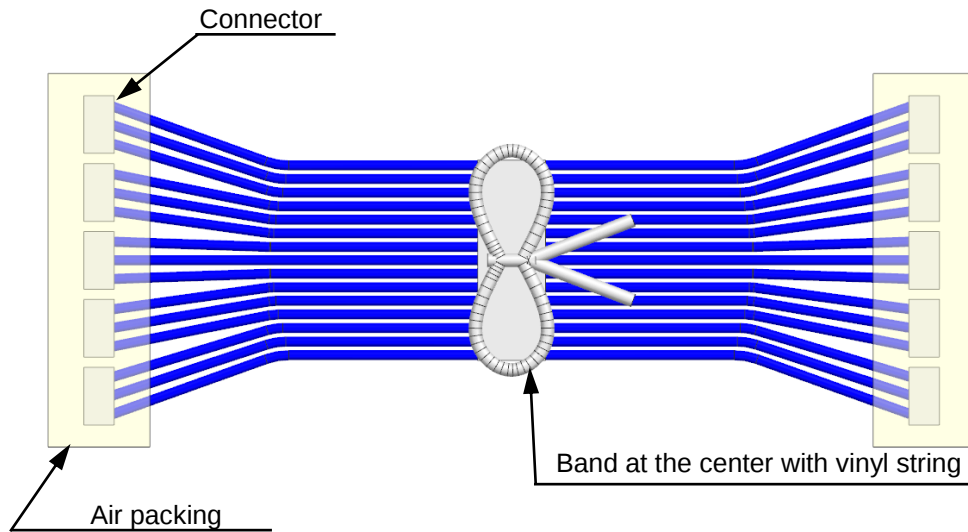


Fig.8-1 A bunch of harness

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION		MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
REVISED							
CHANGE NO.		757367					
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							27 OF 66

② Put banded harness into carton box.

Figure below (**Fig.8-2**) is one of examples for recommended reference. Please take measure not to add force to connector for a long period of time by stacking if you pack by different packing method for long harness.

Instruction

- ※ When packing bundle of harness after processing in a package box, please follow instructed packaging and avoid applying excessive load or force to harnesses. (cross shape) (**Fig.8-2 ①**)
- ※ Please lay air packing etc. on the bottom of package box. In order to prevent force from applying to connectors for a long time by piling up package boxes, please lay air packing etc. (**Fig.8-2 ②**)

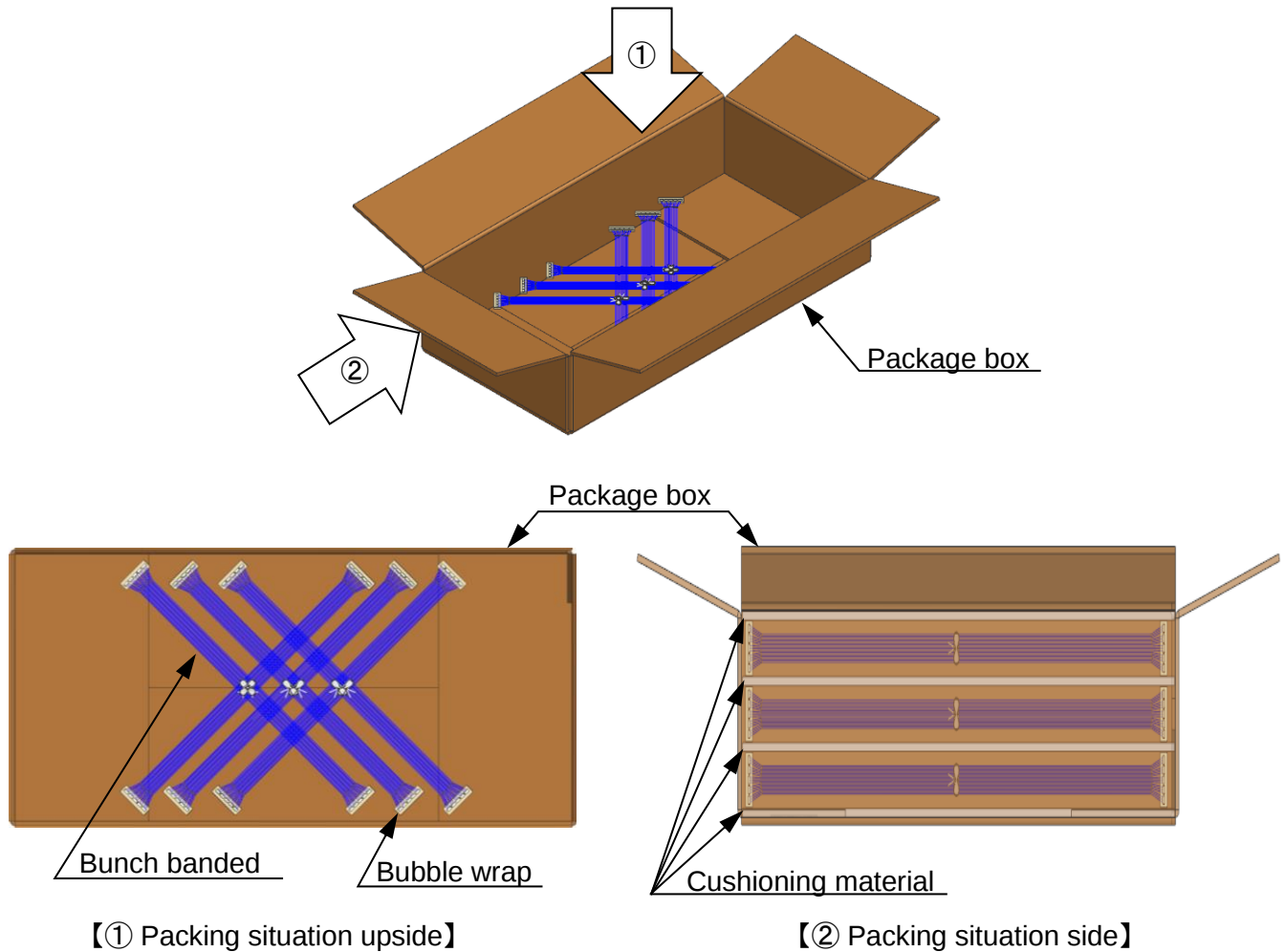


Fig.8-2 Packing condition

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	28 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

[9. Instructions of mounting on PCB]

When mounting through hole type connector, please be careful with the following points. (Fig-9-1)

- ① When mounting, insert the solder tail straight into the board hole while holding the connector horizontally against the board. Do not tilt or add a cod. If the connector is inserted diagonally, the pin may be deformed or unplugged, resulting in damage to the connector.
- ② If insertion cannot be performed smoothly, do not force insertion. Check the product, PCB deformation, board dimensions, etc.
If insertion is forcibly performed with the insertion error, damage to the pin or PCB may occur.

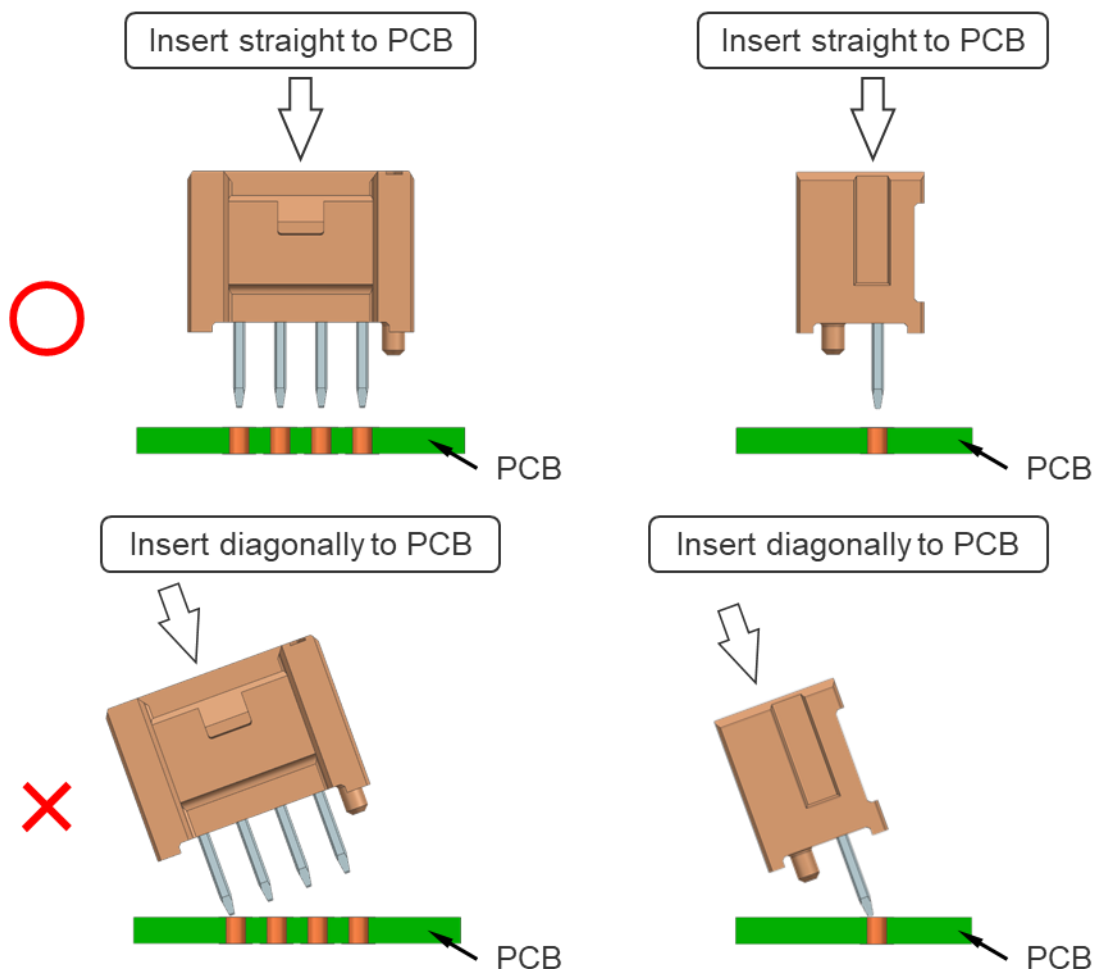


Fig.9-1 mounting condition on PCB

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							SHEET
							29 OF 66

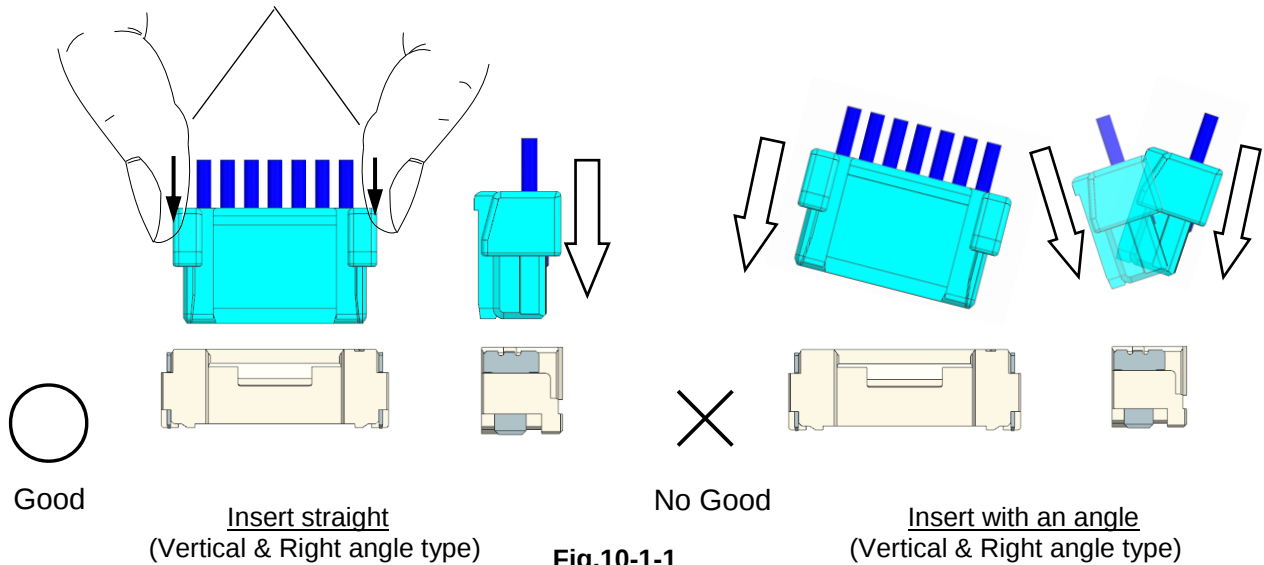
[10. Instruction when mating]

10-1. Mating process method

Please set mating direction of receptacle housing (harness side) and plug housing (PLUG side), and push both sides of receptacle housing to pitch direction (as shown with arrows) until both connectors meet each other (complete mating position). After mating, please confirm that positive lock is fastened completely.
(Fig.10-1-1,10-1-2)

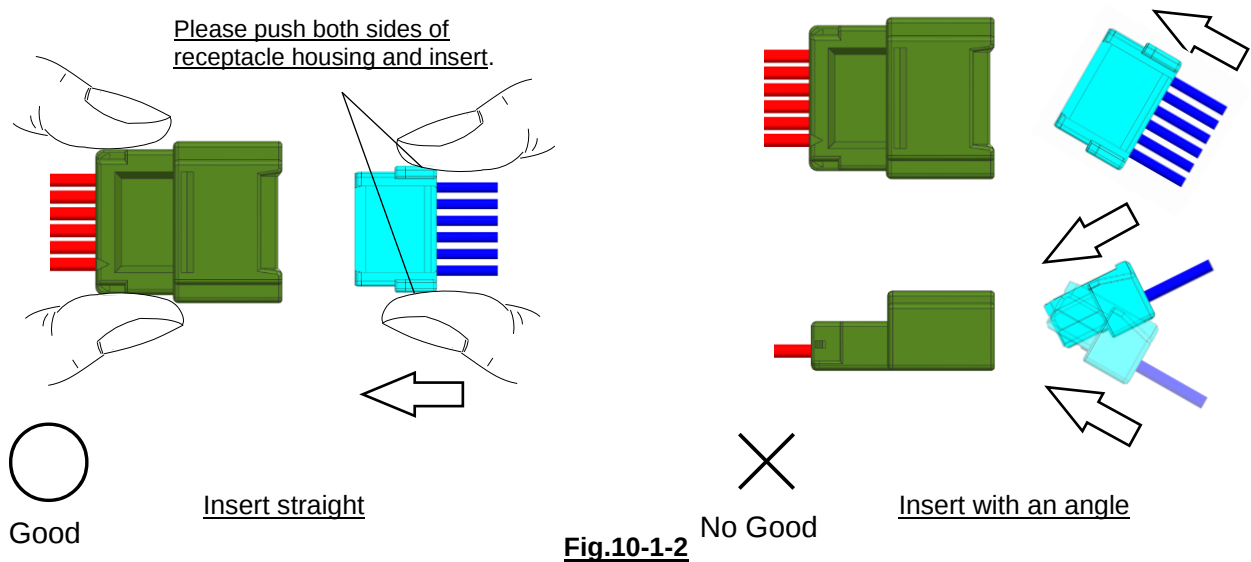
Wire to Board

Please push both sides of receptacle housing and insert.



Wire to Wire

Please push both sides of receptacle housing and insert.



THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

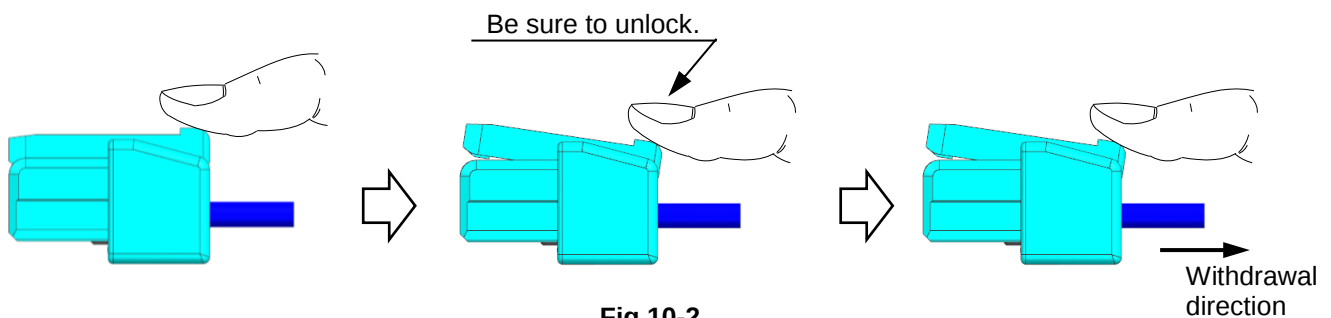
REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	30 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

Instruction

- ※When mating, please do not push positive lock of receptacle housing. It might cause damage by being applied excessive load by correct movement of lock part riding up the catching part is prevented.
- ※Please push receptacle housing and insert it straightly until they touch each other. Connectors mating will end up in straight direction even if it is inserted with an angle. However, if you insert it gradually with an angle intentionally, it may cause only one side locked as elastic receptacle housing is deformed during the insertion. (Especially in multiple circuits)
- ※If you can not insert smoothly, please insert again after confirming if there is no transformation of terminal and receptacle housing etc.

10-2. Recommended un-mating method

Please hold wires all together lightly. After releasing lock completely by attaching fingers to the lock and pushing bar for releasing lock using flat part of finger, please withdraw receptacle housing slowly, axially and straightly. Please avoid withdrawing them with an angle and roughly. That might cause damage to connector. (Fig.10-2)



Instruction

- ※Please do not withdraw with holding only a few particular wires. As excessive force is applied to particular terminals, connector might be damaged or terminal might come off.
- ※When releasing lock, Please push bar for releasing lock with flat part of finger, not only with fingertip(nail tip). If finger nail is too long, it might catch lock protection wall.

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							SHEET
							31 OF 66

10-3. Wiring after mating

Instruction

- ※If you plan on pulling around wires inside machine, please take measures to prevent force from applying to connectors directly, such as allowing wires to have enough flexibility. **(Fig.10-3-1/10-3-4)**
- ※When pulling wires around inside actual machine, please do not use under the condition that wires are bent excessively or tension is added. That might be reason for terminal to be pulled out because force is added to terminal crimping zone or terminal insertion portion of receptacle by wire tension. Especially, please prevent force from being applied to only a few particular wire. **(Fig.10-3-2/10-3-5)**
- ※If force is added to one particular wire, wire(crimp terminal) might be pulled off.
- ※Wire routing inside customer's device needs to avoid excessive stress. Please avoid pulling them toward more than 2 directions. **(Fig.10-3-3/10-3-6)**
- ※If you plan on special wiring inside customer's device, please contact us before using.

(Fig.10-3-2/10-3-3/10-3-5/10-3-6 etc.)

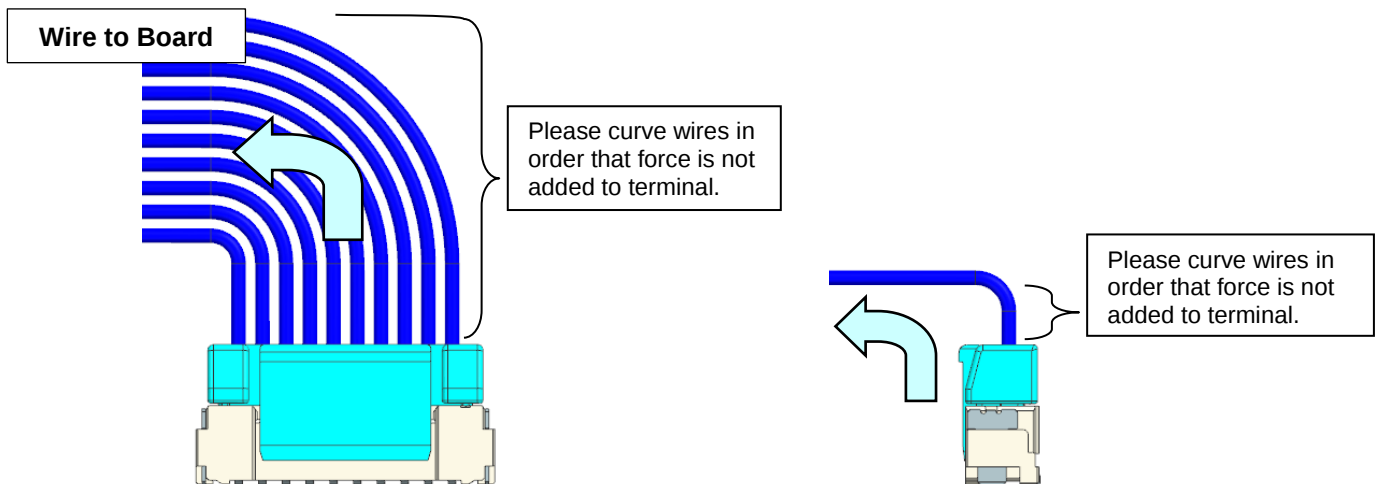


Fig.10-3-1 Condition wires are curved

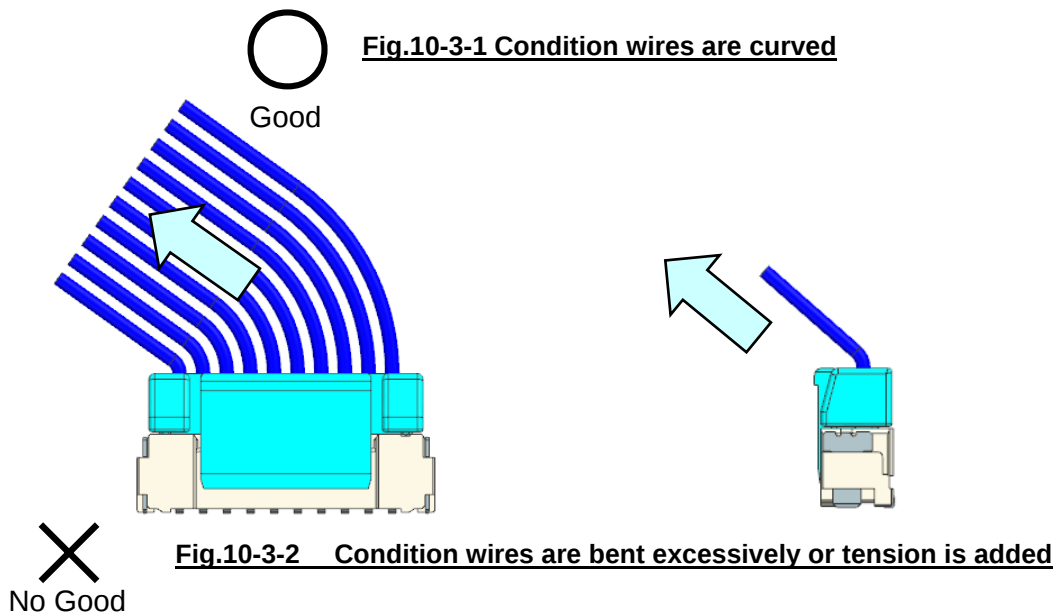
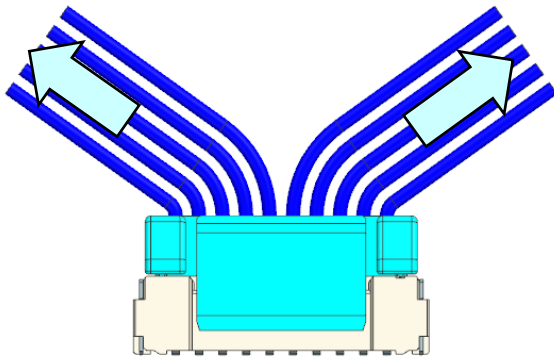


Fig.10-3-2 Condition wires are bent excessively or tension is added

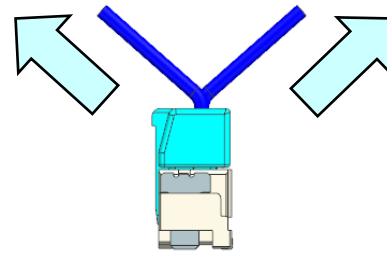
THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C 32 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				



✗
No Good

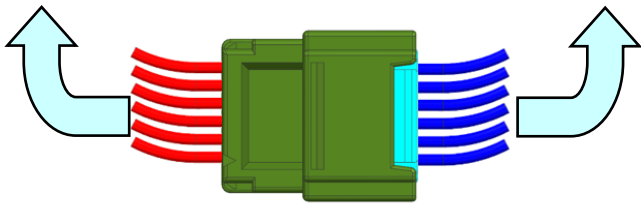
Fig.10-3-3 Wiring toward more than 2 direction.



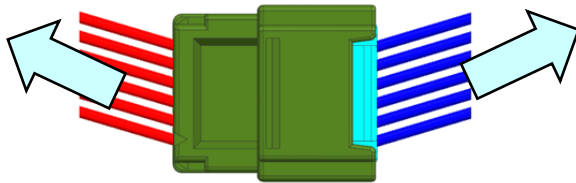
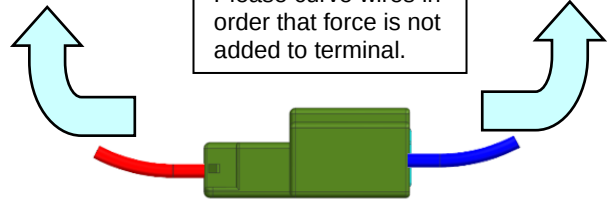
○
Good

Fig.10-3-4 Condition wires are curved

Wire to Wire

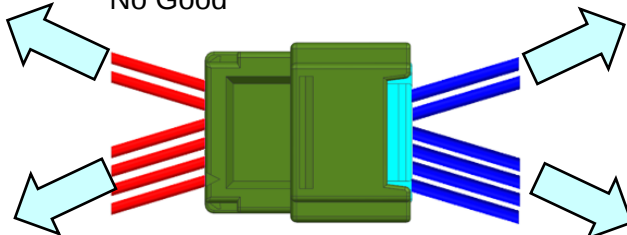


Please curve wires in order that force is not added to terminal.



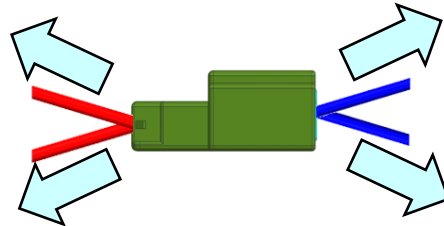
✗
No Good

Fig.10-3-5 Condition wires are bent excessively or tension is added



✗
No Good

Fig.10-3-6 Wiring toward more than 2 direction.



【11. Potting treatment】

11-1. Recommended height of potting compound

Please refer to 2059573000-SD PSD 000 for potting height.

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							33 OF 66

コネクタ 取扱説明書
Micro-Lock Plus 1.25 1列 コネクタ

This application specification is written in English and Japanese.
本取扱説明書は、英文及び和文で記載されております。
[English 英文 : Page 1~33](#)
Japanese 和文 : Page 34~66

【1. 適合製品】

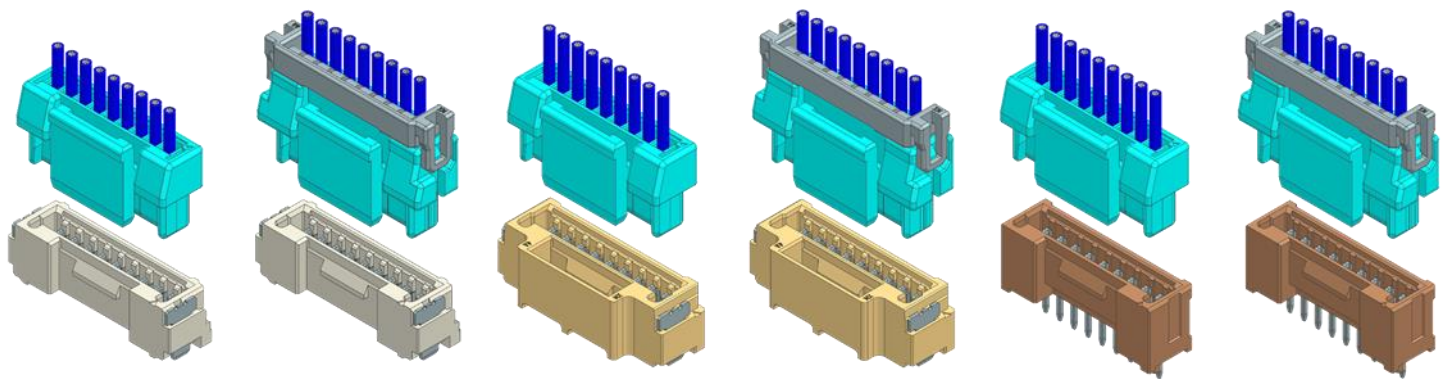
	製品名称			製品型番
ハーネス側	リセプタクルハウジング			505565 シリーズ 204532 シリーズ 214526 シリーズ
	リセプタクルクリンプターミナル			505431 シリーズ 214529 シリーズ
	プラグハウジング(電線対電線)			214525 シリーズ
	プラグクリンプターミナル(電線対電線)			214524 シリーズ
	適合電線(※)			AWG #26~30
	リテーナー			214528 シリーズ
基板側	プラグ アセンブリ	パーティカル タイプ	SMT	505568 シリーズ 204530 シリーズ 205957 シリーズ (梱包形態 : エンボステープ梱包)
			スルーホール	220097 シリーズ (梱包形態 : トレー梱包)
		ライトアングル タイプ	SMT	505567 シリーズ 204529 シリーズ (梱包形態 : エンボステープ梱包)
			スルーホール	220098 シリーズ (梱包形態 : トレー梱包)

※製品の組み合わせについては各製品仕様書を御参照ください。

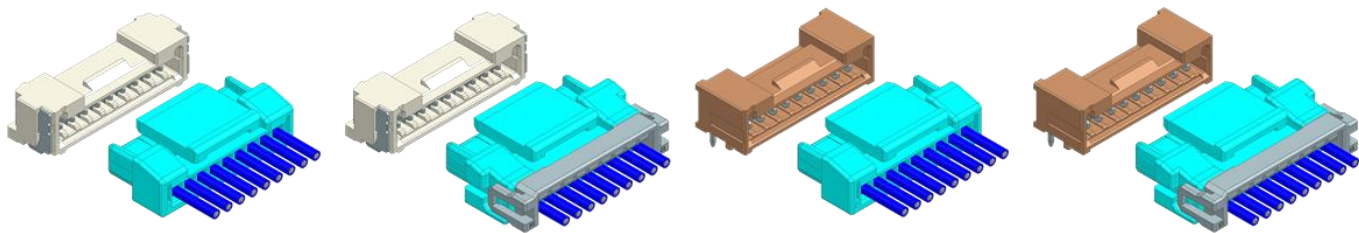
THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	34 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

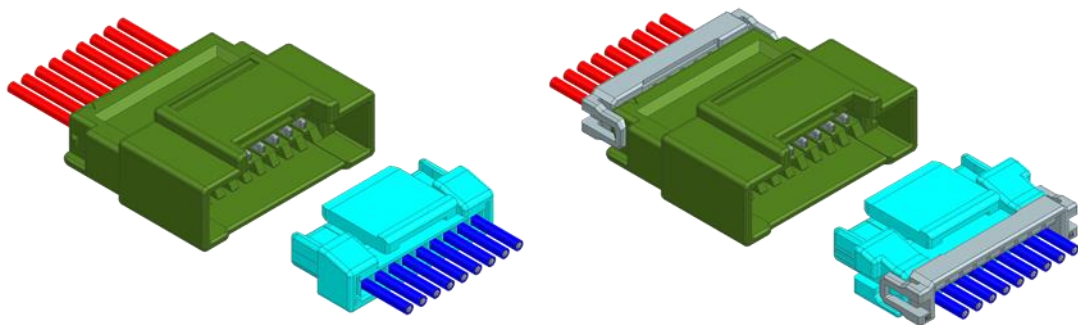
バーティカルタイプ



ライトアングルタイプ



電線対電線タイプ



—はじめに—

- ・本コネクタを御使用頂く前に必ず御一読頂き十分に理解した上、正しくご使用下さい。
- ・本書はいつでも参照できるように、お手元に大切に保管して下さい。
- ・本書中の表示及びイラストは印刷の為、実物と異なることが御座います。
- ・本書の内容に関しては、予告無しに変更する場合がございます。
- ・本書の内容については、万全を期して作成致しておりますが、万が一御不審な点や誤りなど、お気づきのことが御座いましたら弊社まで御連絡下さい。

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	35 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

目次

1. 適合製品	P-34
2. 各部の名称及び説明	
2-1. リセプタクルクリンプターミナル(圧着端子)各部の名称及び機能	P-37
2-2. リセプタクルハウジング各部の名称及び機能	P-38~39
2-3. プラグアセンブリ各部の名称及び機能(バーティカル SMT タイプ)	P-40
2-4. プラグアセンブリ各部の名称及び機能(バーティカル SMT ポッティングタイプ)	P-40
2-5. プラグアセンブリ各部の名称及び機能(バーティカルスルーホールタイプ)	P-41
2-6. プラグアセンブリ各部の名称及び機能(ライトアングル SMT タイプ)	P-41
2-7. プラグアセンブリ各部の名称及び機能(ライトアングルスルーホールタイプ)	P-42
2-8. プラグクリンプターミナル(圧着端子)各部の名称及び機能	P-42
2-9. プラグアセンブリ各部の名称及び機能(ライトアングルタイプ)	P-43
3. 使用上の注意事項	
3-1. 製品外観について	P-44
3-2. 適合電線及び工具について	P-44
3-3. ハーネス及び実装作業前の保管について	P-44
3-4. ハーネス及び実装作業時に於ける注意事項	P-44~45
3-5. 機器内での使用について	P-46
3-6. 定格・性能規格について	P-46
3-7. 使用用途	P-46
4. 端子圧着加工について	
4-1. 圧着前の外観確認項目	P-47
4-2. 圧着後の外観確認項目	P-47
4-3. 圧着不良について	P-48~50
5. 圧着後の電線結束および梱包について	P-51
6. リセプタクルハウジングへの圧着端子装着(ハーネス作業)方法	
6-1. 圧着端子装着について	P-52~54
6-2. リテーナー装着について	P-55~56
6-3. 圧着端子のリペアについて	P-57
6-4. リテーナーの取り外しについて	P-58
7. ハーネス結束について	P-59
8. ハーネス梱包について	P-60~61
9. 基板への実装について	P-62
10. 嵌合時に於ける注意事項	
10-1. 推奨挿入方法	P-63~64
10-2. 推奨抜去方法	P-64
10-3. 嵌合後の電線の引き回しについて	P-65~66
11. ポッティング処理について	
11-1. 推奨ポッティング剤高さ	P-66

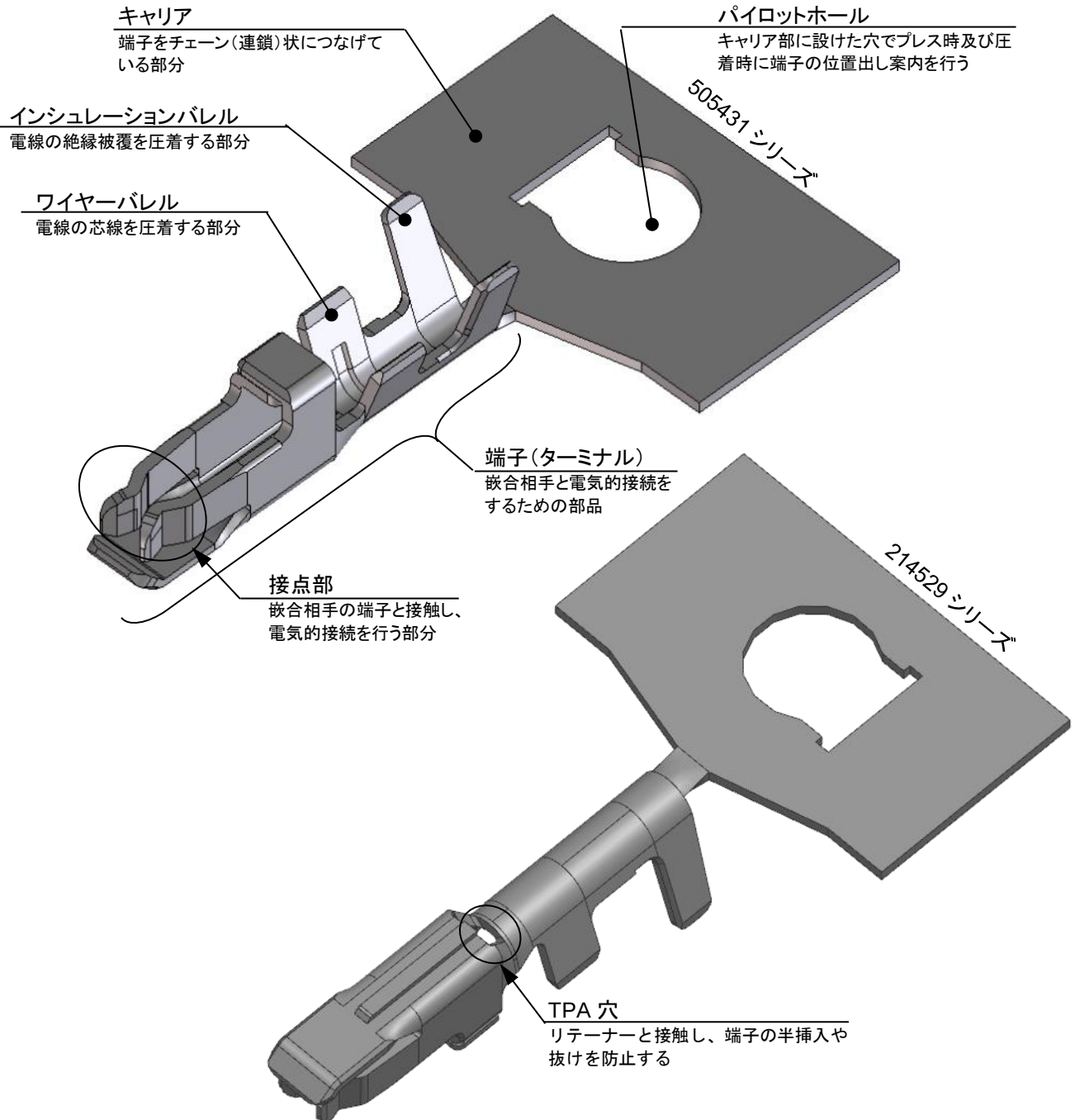
THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
CHANGE NO.	757367						
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	36 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

本端子形状は連鎖状を示します

【2. 各部の名称及び説明】

2-1. リセプタクルターミナル(圧着端子)各部の名称及び機能：505431, 214529 シリーズ



※ 製品形状及び寸法については弊社製品図面を参照願います。

5054311000-SD PSD 000

5054311100-SD PSD 000

2145290000-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

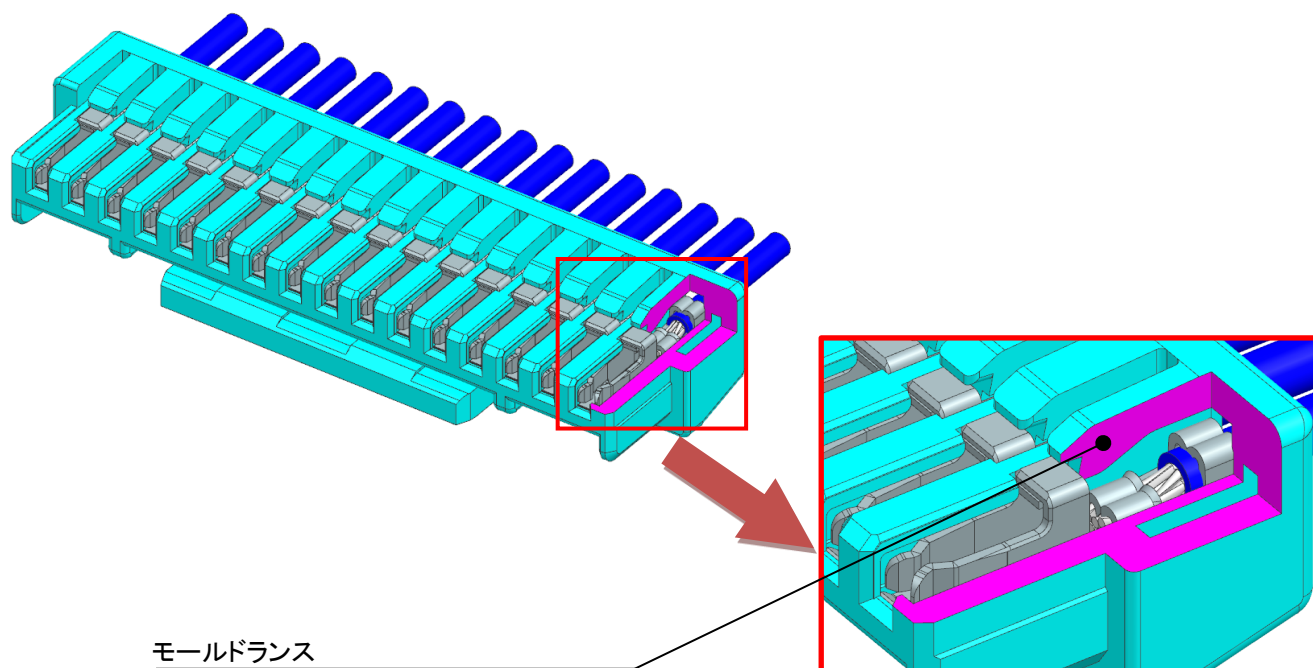
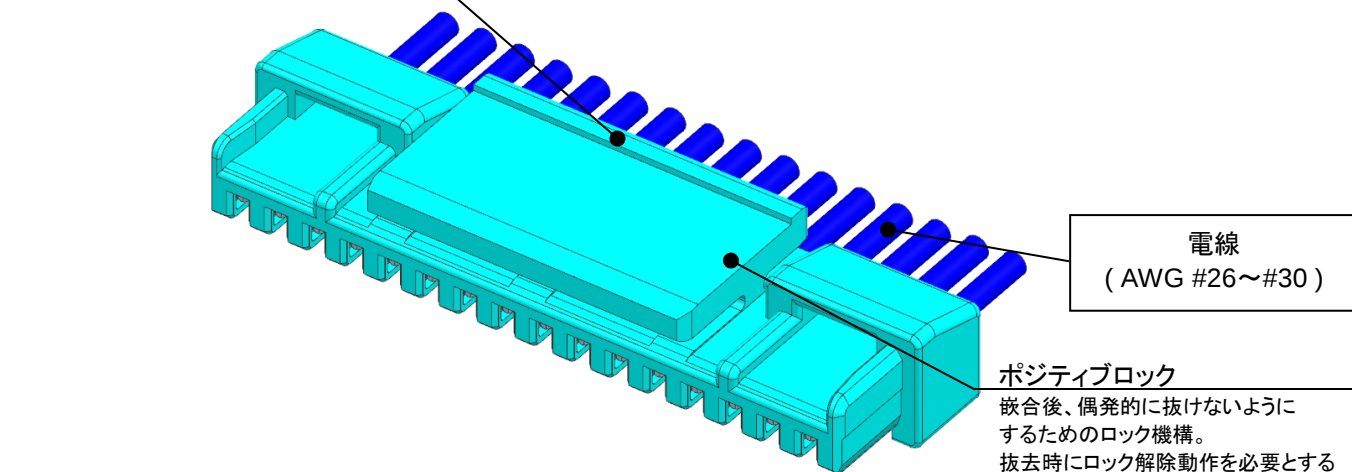
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	37 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

2-2. リセプタクルハウジングの名称及び機能:

リセプタクルハウジング: 505565, 204532 series

ロック解除ポジション

ポジティブロックを解除する為押し込む部分



※ 製品形状及び寸法については弊社製品図面を参照願います。

5055650002-SD PSD 000,
2045320000-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED	MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367						
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	38 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

リセプタクルハウジング: 214526 シリーズ

ロック解除ポジション

ポジティブロックを解除する為
押し込む部分リテーナー (オプション)
214528 シリーズ電線
(AWG #26~#30)

ポジティブロック

嵌合後、偶発的に抜けないように
するためのロック機構。
抜去時にロック解除動作を必要とする

モールドランス

ハウジングから端子を抜けない
ように引っ掛ける部分※ 製品形状及び寸法については弊社製品図面を参照願います。
2145260000-SD PSD 000

リテーナー: 21458 シリーズ

端子押し込み部

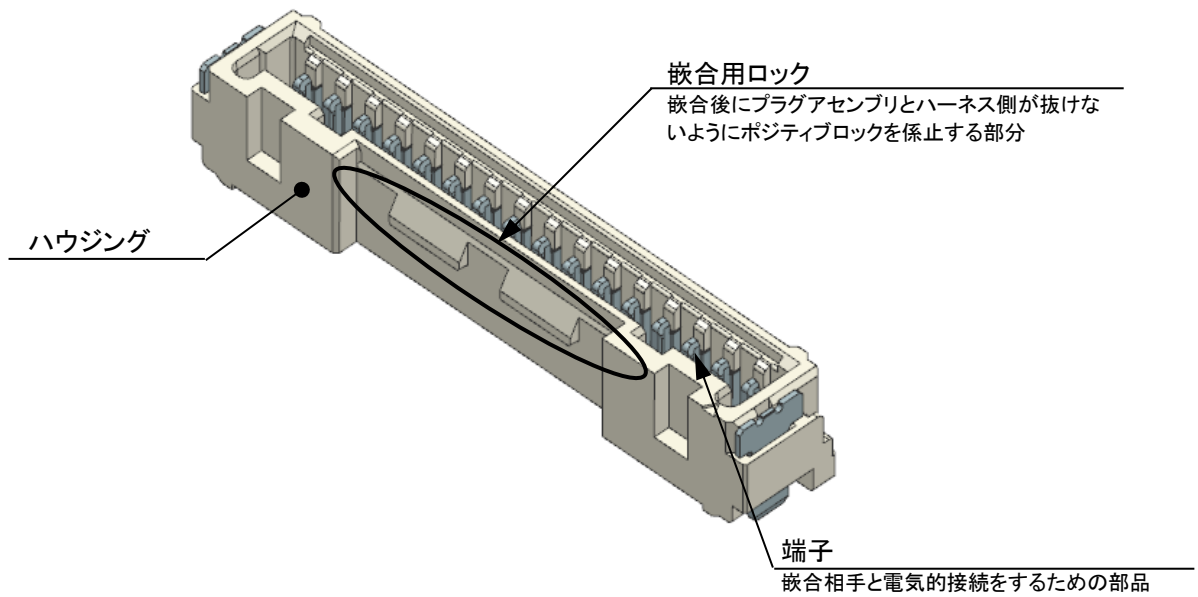
リテーナーと接触し、端子
の半挿入、抜けを防止す
る部分

ロック部

ハウジング挿入時のガイドとなり、
また装着後に保持する部分※ 製品形状及び寸法については弊社製品図面を参照願います。
2145280000-SD PSD 000

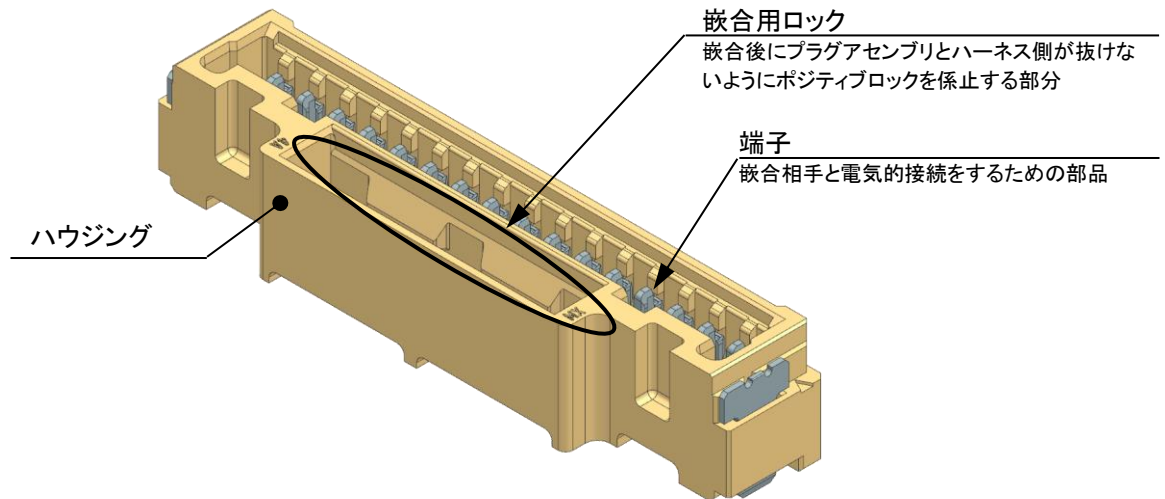
THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED	MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367						
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	39 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

2-3. プラグアセンブリ各部の名称及び機能(パーティカル SMT タイプ) : 505568, 204530 シリーズ

※ 製品形状及び寸法については弊社製品図面を参照願います。

5055680000-SD PSD 000
5055680010-SD PSD 000
2045300001-SD PSD 000
2045300002-SD PSD 000

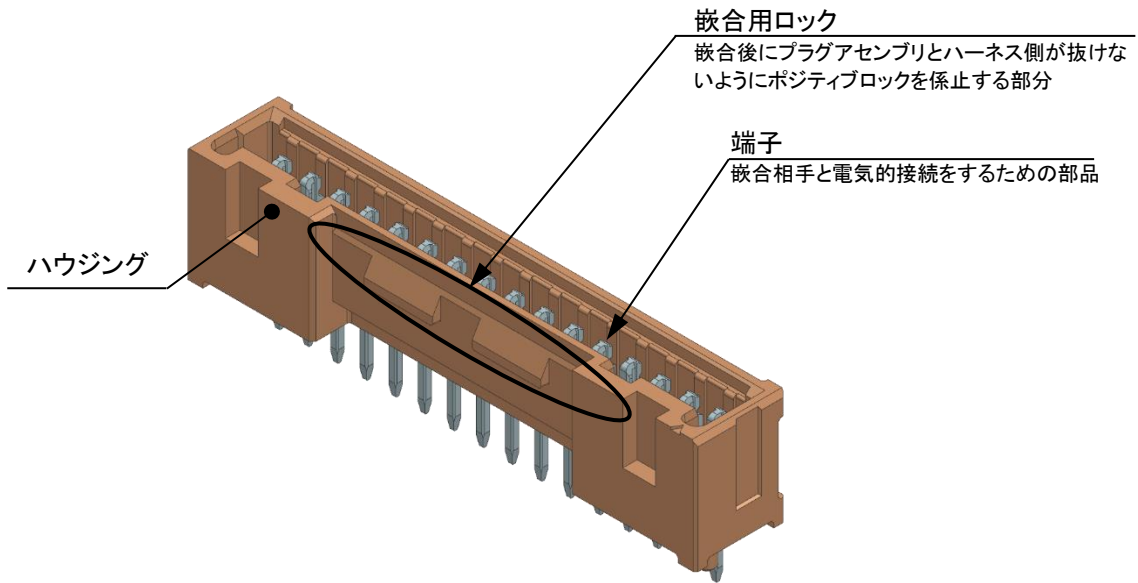
2-4. プラグアセンブリ各部の名称及び機能(パーティカル SMT ポッティングタイプ) : 205957 シリーズ

※ 製品形状及び寸法については弊社製品図面を参照願います。

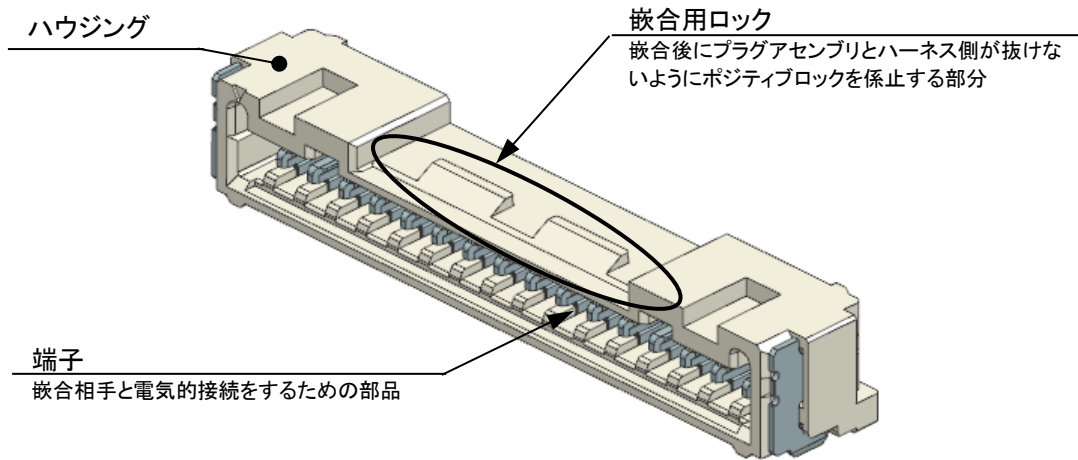
2059573000-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	40 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

2-5. プラグアセンブリ各部の名称及び機能(パーティカルスルーホールタイプ): 220097 シリーズ

※ 製品形状及び寸法については弊社製品図面を参照願います。
2200970000-SD PSD 000

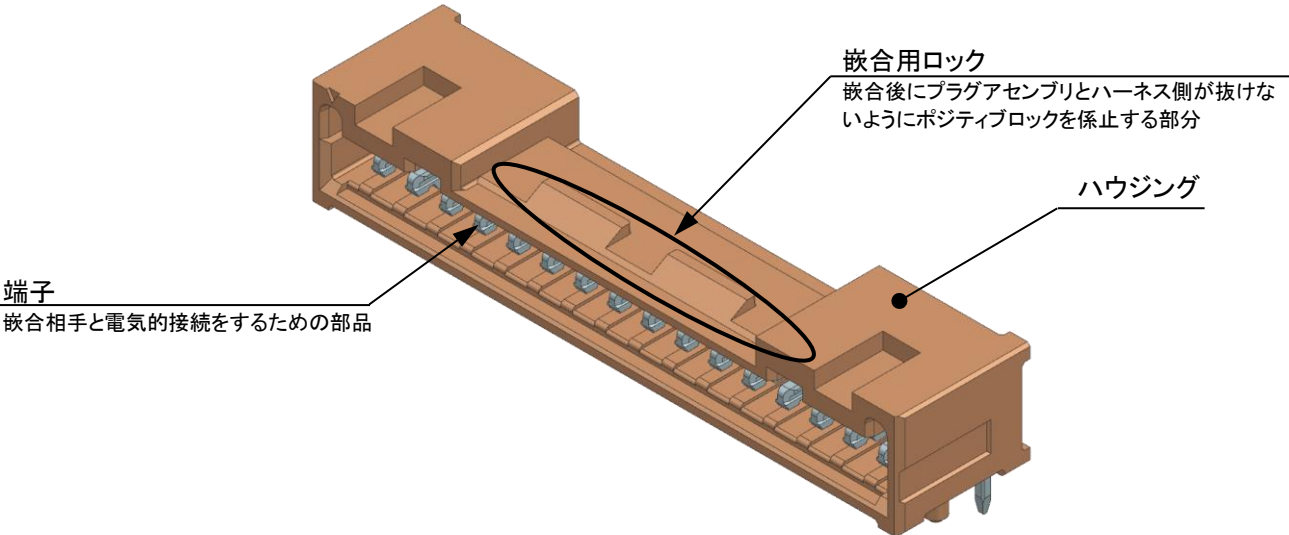
2-6. プラグアセンブリ各部の名称及び機能(ライトアングルタイプ): 505567, 204529 シリーズ

※ 製品形状及び寸法については弊社製品図面を参照願います。
5055670000-SD PSD 000
5055670010-SD PSD 000
2045290000-SD PSD 000
2045290001-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

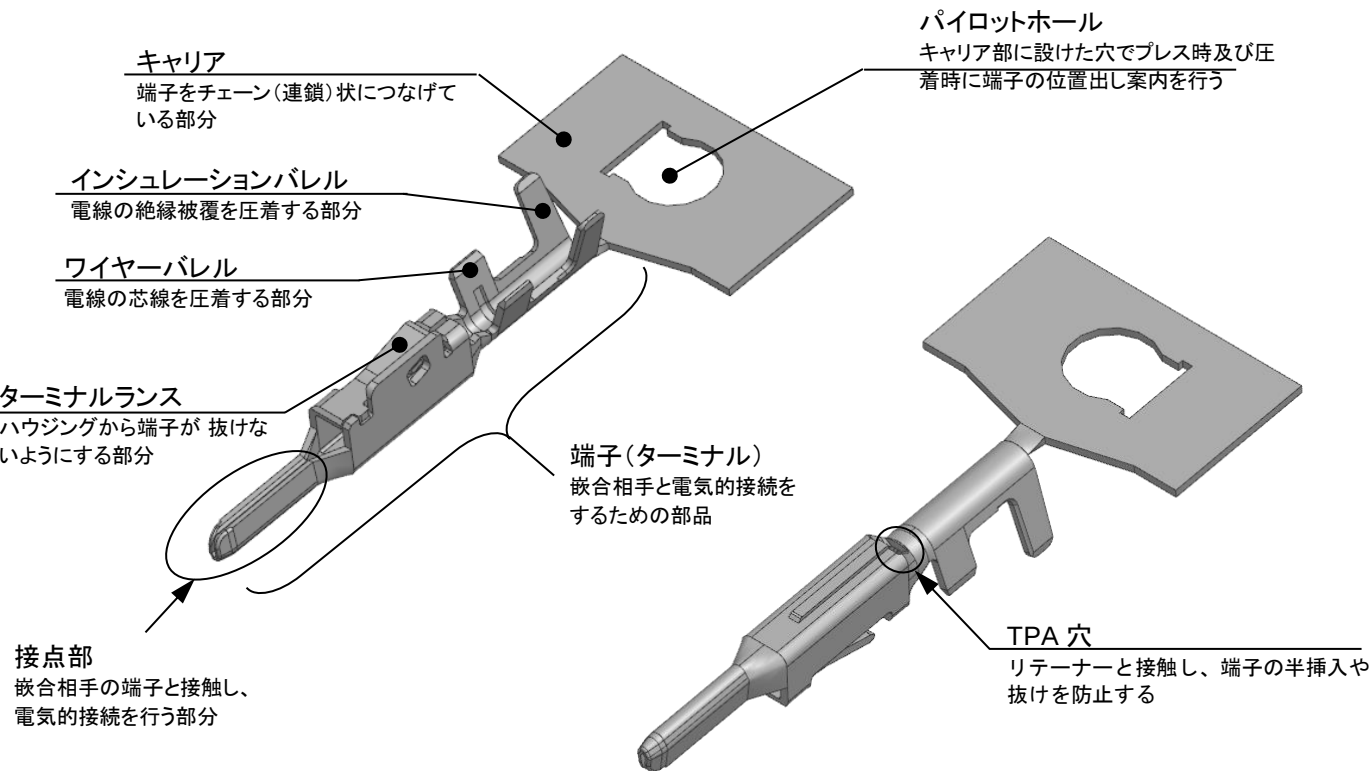
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	41 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

2-7. プラグアセンブリ各部の名称及び機能(ライトアングルスルーホールタイプ): 220098 シリーズ



※ 製品形状及び寸法については弊社製品図面を参照願います。
2200980000-SD PSD 000

2-8. プラグクリンプターミナル(電線対電線タイプ): 214524 シリーズ



※ 製品形状及び寸法については弊社製品図面を参照願います。
21452400000-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	42 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

2-9. プラグハウジング(電線対電線タイプ) : 214525 シリーズ

嵌合用ロック

嵌合後にプラグアセンブリとリセプタクルハウジングが抜けないようにポジティブロックに係止する部分

リテーナー (オプション)
214528 シリーズ

電線
(AWG #26~#30)

ハウジング

端子押し込み部

リテーナーと接触し、端子の半挿入、抜けを防止する部分

※ 製品形状及び寸法については弊社製品図面を参照願います。
2145250000-SD PSD 000

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION			DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD			000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	43 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

【3. 使用上の注意事項】

3-1. 製品外観について

- 1. 本製品のプラスチック部に黒点、気泡等が確認される場合や色合いが異なる場合（経年変化によるハウジングの変色を含む）がありますが、製品性能には影響御座いません。
- 2. 本製品のめっき部外観に摺動痕がつく場合が御座いますが、製品性能に影響は御座いません。
- 3. フロー条件によっては、樹脂部の変色や端子めっき部にヨリが発生する場合が御座いますが、製品性能に影響は御座いません。
- 4. 実装機によってコネクタに負荷が加わると変形、破損する場合が御座いますので事前に御確認下さい。

3-2. 適合電線及び工具について

- 1. 適合範囲外（電線サイズ、絶縁被覆径など）の電線を御検討される場合、保証の対象外となるため事前に御相談下さい。
- 2. 弊社指定工具（圧着工具等）以外の御使用における不具合発生に関しては、保証の対象外とさせていただきます。
- 3. コネクタの適合電線は、原則として錫めっき付軟銅撚り線です。
その他の電線の使用については別途ご確認下さい。

3-3. ハーネス及び実装作業前の保管について

- 1. 製品は弊社箱詰め梱包状態で直射日光の当たらない屋内、年間を通じ、常温常湿の条件下での保管をお願いします。材料劣化による破損、変色等の原因となります。
- 2. 製品保管の際には外力が掛からないよう保管願います。（納入状態からの詰め替え等）製品の噛み込み、変形等の原因となります。
- 3. 製品の移動時及び搬送時には落下や衝撃による外力を加えないようにご注意願います。製品の噛み込み、変形等の原因となります。
- 4. 在庫品は先入れ・先出しを実施して下さい。
- 5. 使用前まで弊社実施の梱包形態を維持して下さい。

3-4. ハーネス及び実装作業時に於ける注意事項

- 1. リセプタクルハウジング及び端子、圧着条件、適合電線が弊社製品図面に合致しているかを事前に確認して下さい。（弊社製品図面が揃っていない場合は、弊社に御要求下さい。）
- 2. 本製品を使用する上で端子コンタクトボックス等に変形、汚れ（異物付着）等のあるものは使用しないで下さい。リセプタクルハウジングへの挿入性や電氣的な性能を満足出来なくなる原因となります。
- 3. 端子には直接手で触れること無きよう、御注意願います。（皮脂、汗等の汚れがめっき面に悪影響を与え、電氣的性能が満足出来ない原因となります。）
- 4. 圧着前後において端子が絡まっている状態で、無理に端子を引っ張らないで下さい。端子を変形させる原因となります。
- 5. リセプタクルハウジング及び端子、加工工程品や加工品（ハーネス等）には、外力を加えないで下さい。製品が変形し、コネクタの性能を満足出来なくなる原因となります。

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	44 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

6. リセプタクルハウジング及び端子、加工工程品や加工品（ハーネス等）は、ゴミ（埃等）、腐食性物質、腐食性ガス、高温多湿及び直射日光に曝さないで下さい。接触不良や端子の腐食及びハウジングの絶縁性能劣化等の原因となり、機器の動作不良の原因となります。箱等への保管の御配慮をお願い致します。
7. 本製品及び加工工程品（仕掛品）や加工品（ハーネス等）の梱包及び輸送・保管時にはコネクタに負荷が加わらないようご注意ください。変形、破損などの原因となり、コネクタの性能不良の原因となります。
8. ハーネス加工品の電線の引き回しの際、引張りによる力が加わりますと、接点部、結線部（圧着部）やロック部（端子ロック部）が損傷を受け、接触不良の原因となります。**電線の引回し配線をされる場合、コネクタに無理な外力が加わらないように、電線に緩みを持たせ、余裕を持たせる処置をして下さい。**
9. リセプタクルハウジング及び端子を故意に変形させないで下さい。製品性能が満足出来ない原因となります。
10. 袋詰め梱包の製品を開封した際には当日に使い切るようお願い致します。周囲の雰囲気による過度な乾燥や吸湿等、材料の劣化の原因となる恐れがあります。（使い切ることが無理な場合は、袋の口を再度シーリングし、箱に保管を行う等のご配慮をお願い致します。）
11. 本コネクタを取り扱う際、金属部などのエッジ部での怪我には御注意願います。
12. リール端子を取り扱う際、端子やリールの間紙などで手を切るなどの怪我には御注意願います。
13. 本製品の一般性能確認はリジット基板にて実施しております。フレキシブル基板等の特殊な基板へ実装する場合は事前に実装確認等を行った上でご使用願います。
14. はんだ実装部の未はんだは、ピン抜け、ピン間ショート、ピン座屈、またコネクタの基板からの外れが懸念されます。従って全てのソルダーテールにはんだ付けを行って下さい。
15. 弊社の推奨基板パターン寸法を変更して設計を行なう際は、致命的な不良の原因にもなりますのであらかじめご相談下さい。
16. コネクタ嵌合状態で基板の持ち運び等コネクタに負荷が掛かる作業は行わないようにして下さい。コネクタ破損等の原因となる場合が御座います。
17. 基板実装後に基板を直接積み重ねない様に注意して下さい。
18. 実装後においてははんだごてによる手修正を行う際は、必ず仕様書掲載の条件以内で行って下さい。条件を超えて実施した場合、ピン抜け、モールドの変形、溶融等、破損の原因になります。
19. はんだごてによる手修正を行なう際、過度のはんだやフラックスを使用しないで下さい。はんだ上がりやフラックス上がりにより接触、機能不良に至る場合があります。
20. フロー条件によっては、樹脂部の変色や端子めっき部にヨリが発生する場合がありますが、製品性能に影響はございません。
21. ハーネス加工時及びハーネス品梱包時にハウジングとロックの隙間に電線が絡まない様に注意して下さい。また、ハウジングとロックの隙間に電線が絡んだ場合には電線を無理矢理引っ張らないで下さい。ロックが変形する場合があります。電線が絡んだ際にはロックに負荷が掛からない様注意して外して下さい。

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
CHANGE NO.	757367			DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REVISED BY	SOKUMURA01	DATE	2022/12/28	PS	APPLICATION SPECIFICATION WORD	000	505565
REV APPR BY	AIDA	DATE	2023/09/12	CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL RELEASE			GENERAL		5055650000-AS	C	45 OF 66
INITIAL DRWN	TENAGASE	DATE	2021/04/02				
INITIAL APPR	AIDA	DATE	2022/07/04				

3-5. 機器内での使用について

1. 本製品をご使用時に取り付けられた電線・プリント基板の共振や、機器の回転構造や可動部分の動作によりコネクタ嵌合部（接点部）が常に動いてしまう状態での御使用は避けて下さい。接触部の摺動磨耗等による接触不良の原因となります。従って、機器内で電線・プリント基板を固定し、共振を抑える等の処置をお願い致します。
2. コネクタのみで基板を支えることは避け、コネクタ以外での基板固定対策を行って下さい。
3. 基板実装前後にピンに触れないで下さい。
4. コネクタは極力嵌合軸に沿って挿入抜去を行ってください。斜め挿抜はコネクタ破損等の原因になる場合があります。
5. 嵌合後、コネクタピッチ方向、スパン方向及び回転方向への負荷がかかるような動作またはセットはしないで下さい。コネクタ破壊やはんだクラックを引き起こします。
6. コネクタ嵌合後の電線の引き回しの際、引張りによる力が加わりますと、接点部、結線部（圧着部）やロック部（端子ロック部）が損傷を受け、接触不良の原因となります。電線の引回し配線をされる場合、コネクタに無理な外力が加わらないように、電線に緩みを持たせ、余裕を持たせる処置をして下さい。
7. コネクタの嵌合を取り外す際は、必ずロックを解除して行って下さい。
電線はまとめて軽く掴み、指全体で確実にロックを解除し、取り出して下さい。
8. 治具等を使用し、圧着端子を抜いた場合には、ランスが変形し強度が低下し端子を再装着後の端子保持力が低下します。そのため、圧着端子のリペアの際には新しいハウジングを必ずご使用下さい。

3-6. 定格・性能規格について

1. 製品仕様書の定格・規格の範囲内で御使用下さい。
2. 活電状態の電気回路で、挿入、抜去ができることを前提に作られておりません。スパーク等による危険の発生、性能不良につながりますので、活電状態での挿入、抜去はしないで下さい。
* 活電状態：電気を流したまま挿抜を行うこと。
3. 実使用時には、その機器に関する設計基準を満足することを確認の上、御使用下さい。
4. 予測できないショート（短絡）の発生を防ぐため、コネクタに金属製のパネルや金属片等が接触しないように御配慮願います。
5. 本製品をご使用時には、1PIN当りの定格以上の電流を複数の回路に分岐しての使用は避けて下さい。

3-7. 使用用途

1. 本製品は人命に関わるような状況下で使用される機器、あるいはシステムに用いられることを目的として設計、製造されたものではありません。本製品を医療用、航空宇宙用、原子力等の特殊用途への組込みの御使用については弊社に確認の上、御使用下さい。
2. 自動車、船舶等への御使用を検討される場合は、必ず事前に御連絡下さい。
（仕様条件によって使用可能であるか検討させていただきます。）
3. 室外またはそれに相当する環境下での御使用は避けて下さい。

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
CHANGE NO.	757367						
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	46 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

【4. 端子圧着加工について】

4-1. 圧着前の外観確認項目

圧着前において、外観の変形、コンタクトボックスの潰れ等が無いことを確認し、御使用下さい。
また、端子同士が絡んでいる場合、無理に引き剥がさないで下さい。変形等の原因となります。
尚、製品形状及び寸法については弊社製品図面を参照願います。

4-2. 圧着後の外観確認項目

圧着加工後の外観確認項目及び圧着不良について、下記に示します。圧着時の参考として下さい。(Fig.4-1)
尚、圧着高さ、状態、適合電線等の詳細は、弊社圧着仕様書(ATS)を参照願います。

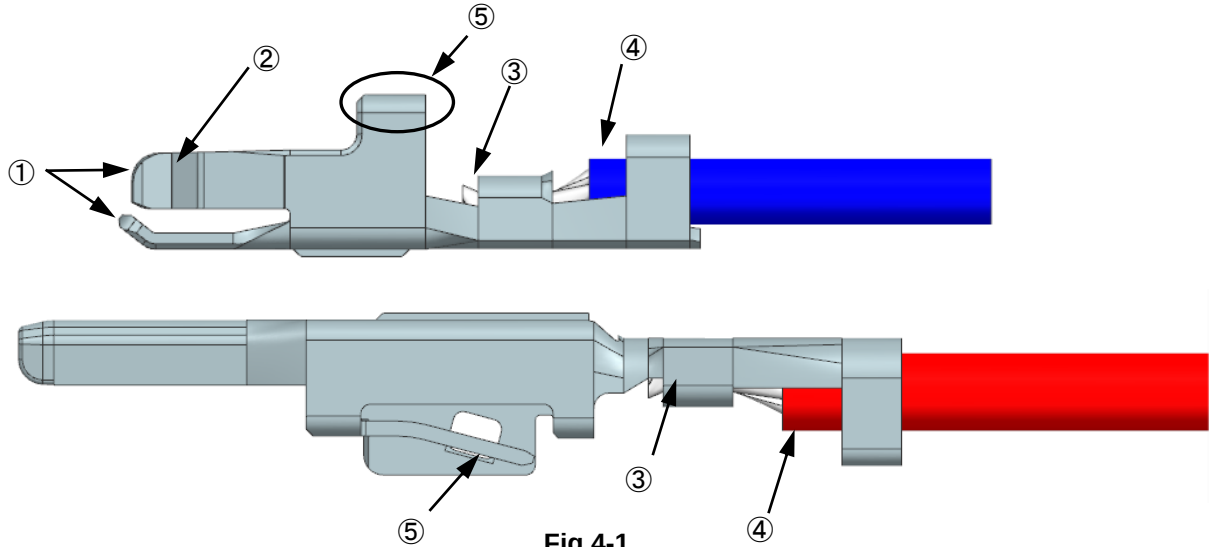


Fig.4-1

- ① 変形が無く、真っ直ぐになっている。
- ② 接点部の潰れ、変形が無い。
- ③ 芯線がワイヤーパレルより出ている、端子の外側に飛び出していない。
- ④ 電線の絶縁被覆ストリップ部分がワイヤーパレルとインシュレーションパレルのほぼ中間に位置している。
- ⑤ ランス係部に変形が無い。
- ⑥ その他、外観に異常なきこと。(汚れ／異物付着など)

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
CHANGE NO.	757367			DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REVISED BY	SOKUMURA01	DATE	2022/12/28	PS	APPLICATION SPECIFICATION WORD	000	505565
REV APPR BY	AIDA	DATE	2023/09/12	CUSTOMER			
INITIAL RELEASE				DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		C	47 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

4-3. 圧着不良について

下記に示す圧着不良はリセプタクルハウジングへの挿入作業及び製品機能に影響を与えますので、特に御注意願います。

① ベンドアップ

ハウジングへの挿入性及び保持力の低下、また電氣的に接触しないなどの接触信頼性低下の原因となります。

(Fig.4-2)



不可

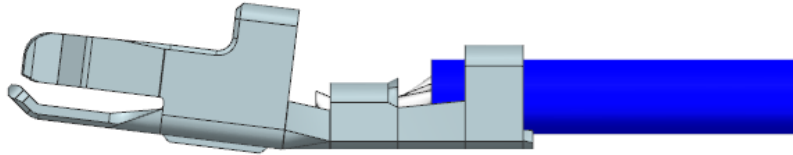


Fig.4-2

② ベンドダウン

ハウジングへの挿入性及び保持力の低下、また電氣的に接触しないなどの接触信頼性低下の原因となります。

(Fig.4-3)



不可

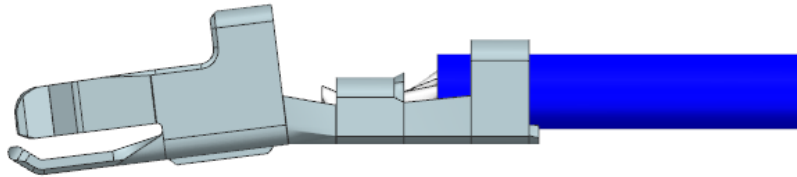


Fig.4-3

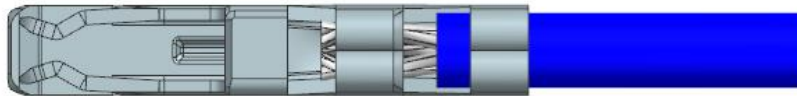
③ ツイスト

ハウジングへの挿入性及び保持力の低下、また電氣的に接触しないなどの接触信頼性低下の原因となります。

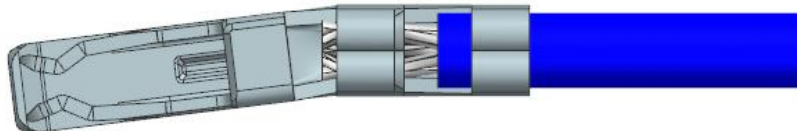
(Fig.4-4)



良好



不可



不可

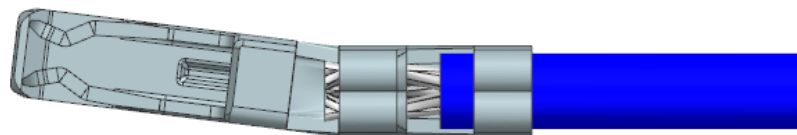


Fig.4-4

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	48 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

④ ローリング

ハウジングへの挿入性及び保持力の低下、また電氣的に接触しないなどの接触信頼性低下の原因となります。

(Fig.4-5)

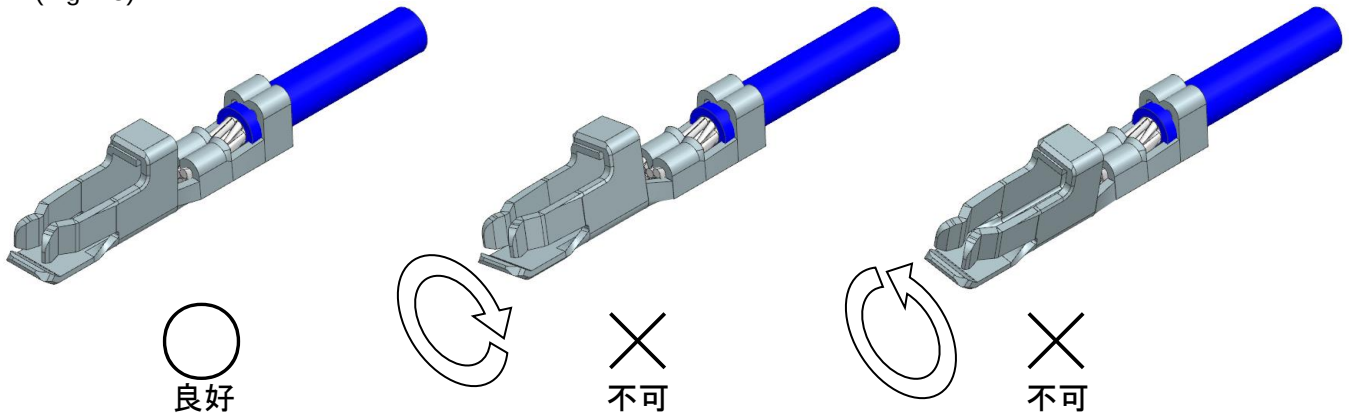


Fig.4-5

⑤ 接点部及びコンタクトボックスの潰れ、変形

ハウジングへの挿入性及び保持力の低下、また電氣的に接触しないなどの接触信頼性低下の原因となります。

(Fig.4-6)

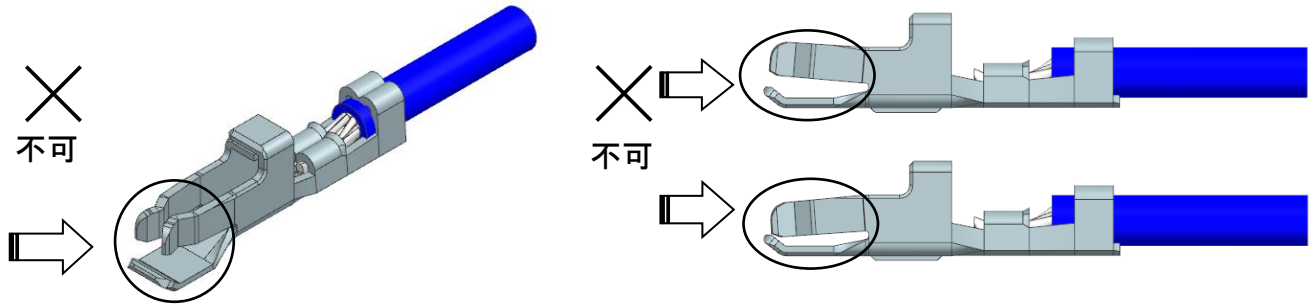


Fig.4-6

⑥ 芯線はみだし

ハウジングへの挿入時に於ける作業性の低下、接触信頼性の低下の原因となります。(Fig.4-7)

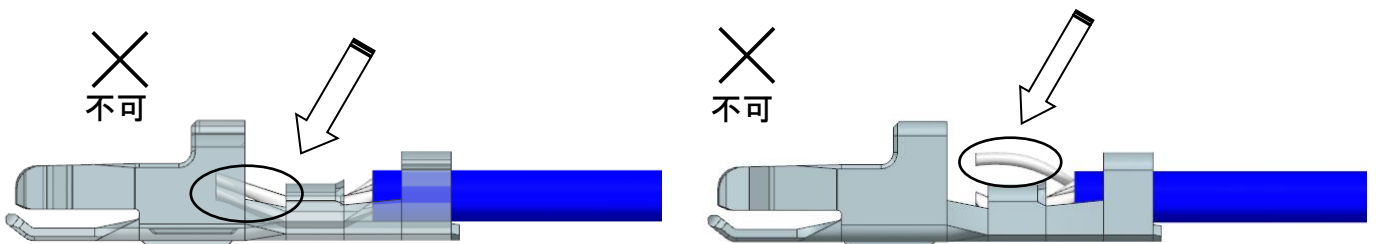


Fig.4-7

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION				MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
REVISED							
CHANGE NO. 757367							
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C 49 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

⑦ 電線圧着位置—前過ぎ

断線、圧着部の引張り強度の低下や、ワイヤーバレルにて電線被覆を圧着した場合、電氣的に通電しないなど性能を満足出来なくなる原因となります。

(Fig.4-8)

×
不可

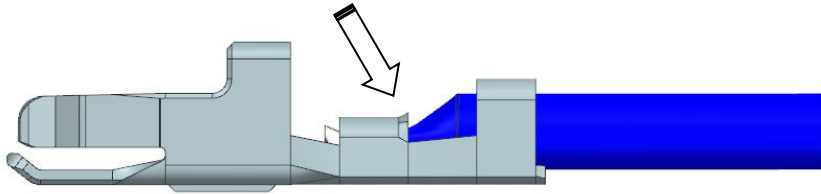


Fig.4-8

⑧ 電線圧着位置—後ろ過ぎ

圧着がバレル内側で行われるため、圧着部の引張り強度が低下してしまう恐れや、また、電氣的に通電しないなど性能を満足できない原因となります。(Fig.4-9-1)

×
不可

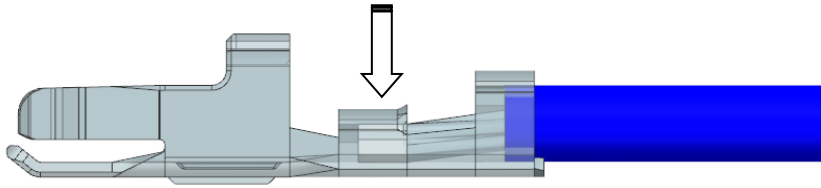


Fig.4-9-1

被覆がインシュレーションバレル全体で保持されていないため、電線を軽く引き回した際、芯線が容易に露出してしまう。(Fig.4-9-2)

×
不可

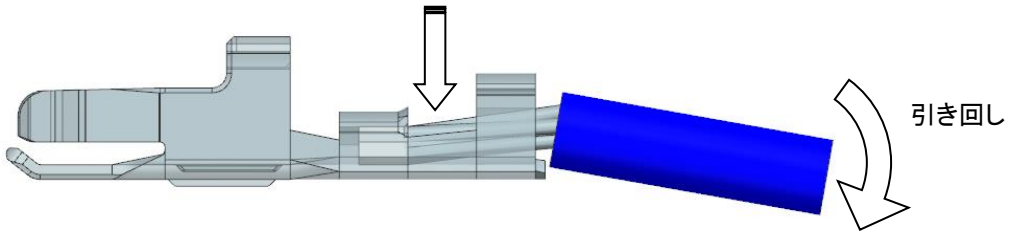
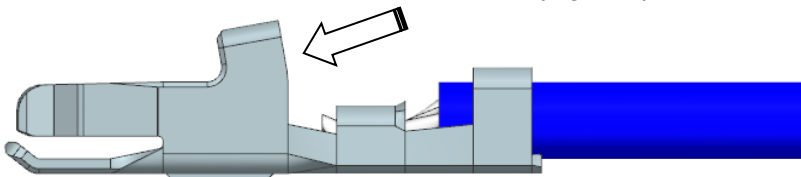


Fig.4-9-2

⑨ ターミナルランスの変形(潰れなど)

ハウジングの係止が不十分となり保持力の低下の原因となります。(Fig.4-10)

×
不可



変形 (潰れ)

Fig.4-10

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED	MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367						
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	50 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

【5. 圧着後の電線結束および梱包について】

圧着後の電線加工品を束ねる際には絡みによる端子の変形・傷・電線の被覆破れ等が発生しないよう御配慮をお願いします。
(輪ゴム等で結束する際には端子圧着部から 30mm 程度の位置にての結束を推奨いたします。(Fig.5-1)
又、加工後梱包箱への詰込みを行う際には詰込み過多による製品変形等も考えられますので1箱あたりの梱包重量についても御配慮願います。

注意事項

- ※加工品の束を梱包箱に入れる際、積み重ねによる荷重等の負荷が端子へ直接長時間加わらない様、交互に重ねるなどして下さい。(Fig.5-2)
- ※梱包箱底面および上面には、緩衝材等を敷いて下さい。また、段積みによる荷重等の負荷が端子へ直接長時間加わらない様に、緩衝材を敷く等の御配慮をお願い致します。(Fig.5-2)

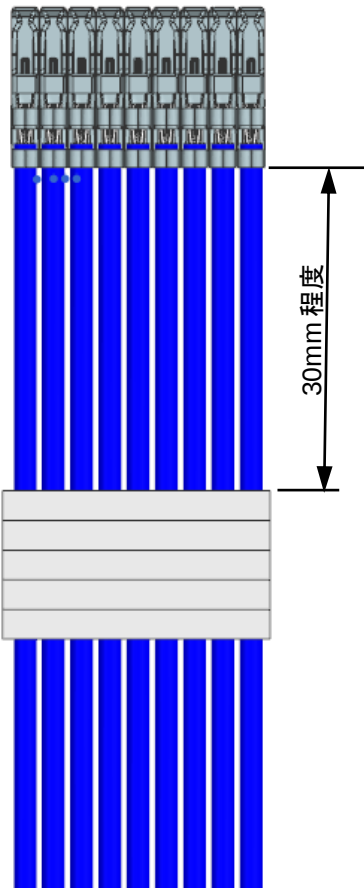


Fig. 5-1

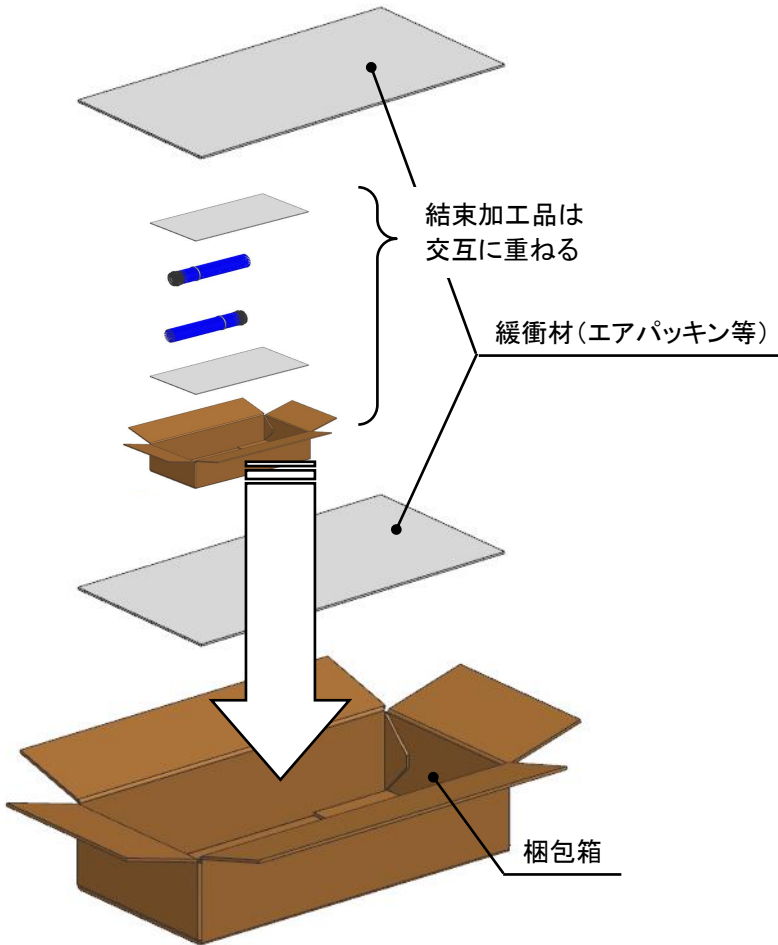


Fig. 5-2

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	51 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

【6. リセプタクルハウジングへの圧着端子装着（ハーネス作業）方法】

圧着端子装着およびリペアの手順と注意事項（※）を下記に示します。

6.1 圧着端子装着について

- ① リセプタクルハウジングの左右を挟むように、軽く持って下さい。
- ② ケーブルは、端子圧着部から約 10mm の位置を指で軽く摘んで持って下さい。

注意事項

※端子から離れた位置で持ち過ぎますと、電線が曲がり易くなり、挿入しづらくなる場合が御座います。

※数値は目安です。使用する電線の種類、材質により数値は異なりますので、使用前に御確認下さい。

- ③ 端子ランス部が、リセプタクルハウジングの中央に向かうように持ち、端子が突き当たる位置まで（4.9N 以下の力で）ゆっくりと真っ直ぐ装着して下さい。（Fig.6-1）

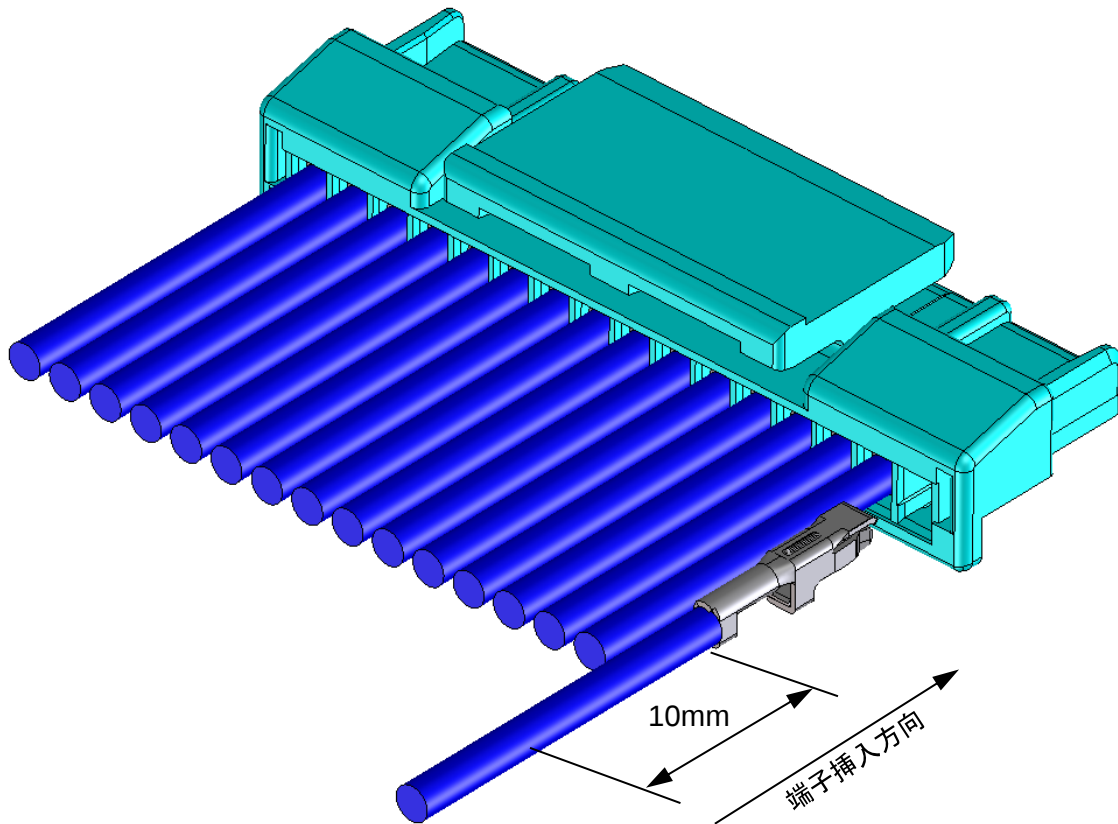


Fig. 6-1

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	52 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

注意事項

※圧着高さ及び幅が大きいと端子挿入に問題がある場合があるため、規定の圧着高さにて作業を行って下さい。
(弊社圧着仕様書(ATS)を参照願います。)

※リセプタクルハウジングに対して端子を装着する向きにご注意下さい。

装着時、端子がリセプタクルハウジングに対して上下逆、斜め、5°以上回転した状態にならないように御注意下さい。
端子変形、リセプタクルハウジング破損の原因となります。(Fig.6-2, 6-3)

※装着途中で引っ掛かり等の異常を感じた際には無理に装着せず、端子やリセプタクルハウジングの変形などが無いことを確認し、再度装着し直して下さい。変形などが確認された場合、その端子やリセプタクルハウジングは、再使用しないで下さい。

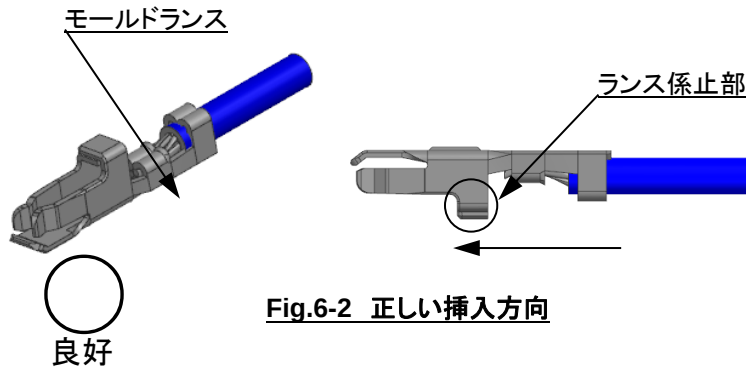


Fig.6-2 正しい挿入方向

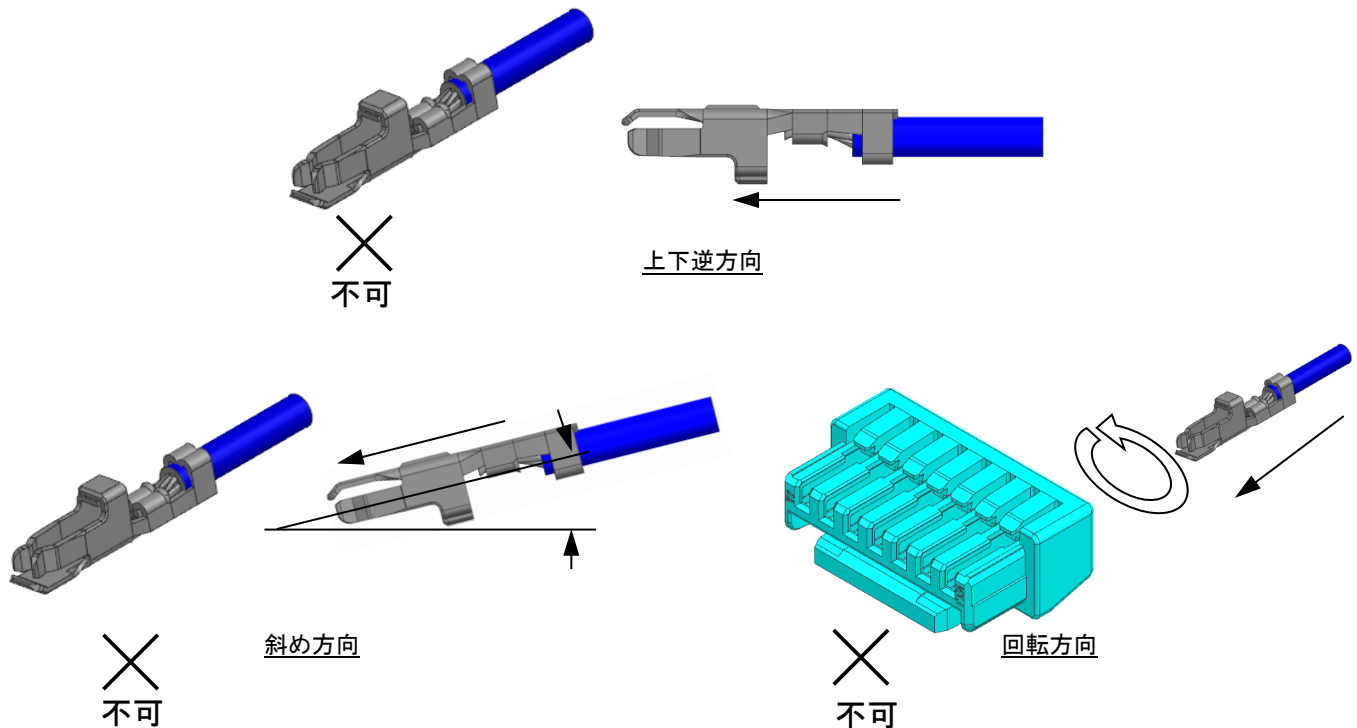
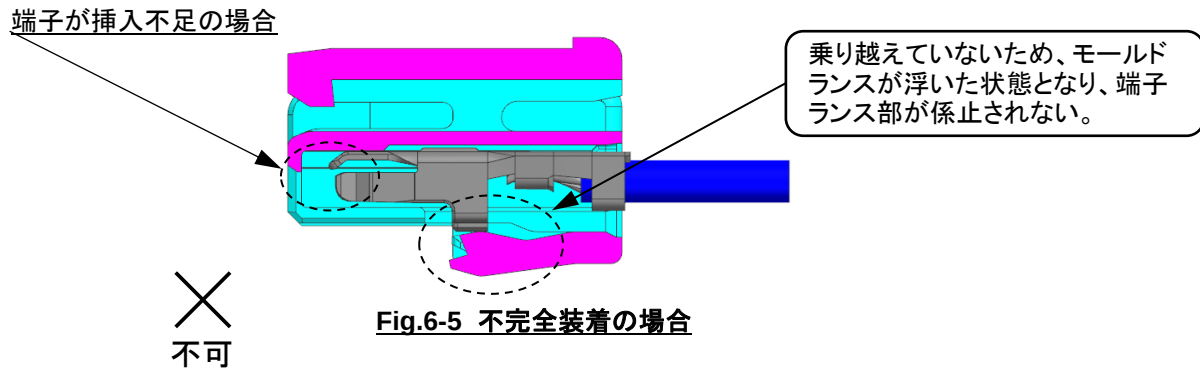
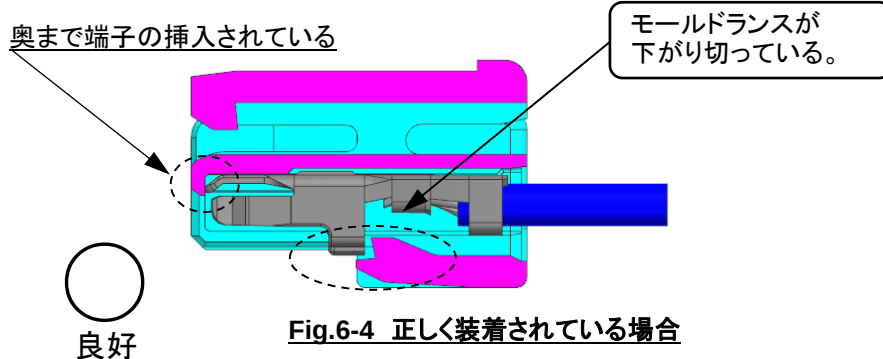


Fig.6-3 不適切な装着方向

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	53 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

- ④ 端子装着後、軽く(100g 程度の力で)電線を引張り、端子が抜け出さないか確認を行って下さい。
(過度の引張りでの確認はコネクタを破損させる場合がございます。)
- ⑤ すべての端子の装着後、リセプタクルハウジングのモールドランスを間口より覗き、モールドランス部の位置を確認して下さい。正しく装着されている場合は、端子ランス部がきちんとモールドランスを乗り越えた位置にあります。
(Fig.6-4, 6-5)



※挿入が完全に挿入されている状態では端子ランス係止部がモールドランスを乗り越え、ケーブルを軸方向に軽く振ると隙間があることを確認出来ます。

注意事項

※端子が不完全装着の場合、端子のランス係止部にモールドランスが引っ掛からない状態になり、端子が保持出来なくなります。

※モールドランスが正規の位置に戻っていない箇所(不完全装着状態: Fig.6-5 参照)では、モールドランスが最も変形している状態です。そのため、この状態のハーネス品は、端子を再挿入したとしても、モールドランスが変形し、正規の位置に戻らず、保持力が低下する場合がございます。

このような場合は、必ずリセプタクルハウジングを取り替えて頂くよう、お願い致します。

- ⑥ ハーネス加工後のチェック時には、電線を極端に曲げる、または突っ張る状態での使用は避けて下さい。電線の張力により端子圧着部やリセプタクルハウジングの端子装着部に力が加わり、接点不良の原因となります。
- ⑦ ハーネス加工後における導通チェックの際には適合する嵌合相手以外のものに挿入しないで下さい。端子の変形等による接触不良の原因となります。

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
CHANGE NO.	757367			DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REVISED BY	SOKUMURA01	DATE	2022/12/28	PS	APPLICATION SPECIFICATION WORD	000	505565
REV APPR BY	AIDA	DATE	2023/09/12				
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	54 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				

6-2. リテーナー装着について

- ① ハウジング、リテーナーそれぞれの左右を挟むように、軽く持ってください。
- ② リテーナーを Fig. 6-6 に示す方向から挿入してください。
- ③ リテーナーのロック部がハウジングに設けられたガイドリブに沿うようにし、爪が完全にかかるまで、ゆっくりと真っ直ぐ装着してください。(Fig. 6-7, 6-8)

注意事項

- ※ リテーナーはオプションです。装着しなくても動作できますが、使用することにより端子の挿入をより確実にし、端子脱落の可能性も低減します。
- ※ 装着途中で引っ掛かり等の異常を感じた際には無理に装着せず、リテーナーの変形などが無いことを確認し、再度装着し直してください。変形などが確認された場合、そのリテーナーは、再使用しないでください。

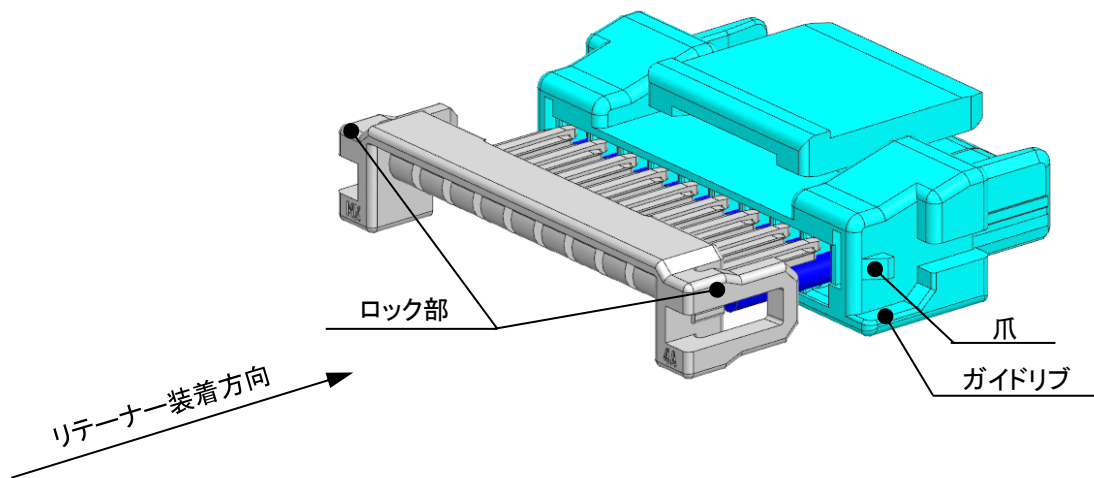


Fig.6-6 リテーナーの装着

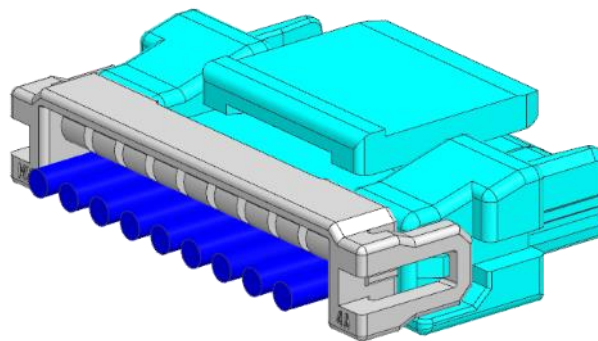


Fig.6-7 完全装着

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	55 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

④ リテーナー装着後、ロック部がハウジング側の爪に乗り上げていないこと(Fig.6-9)、リテーナーがたわんでいないこと (Fig. 6-10)を目視にて御確認ください。

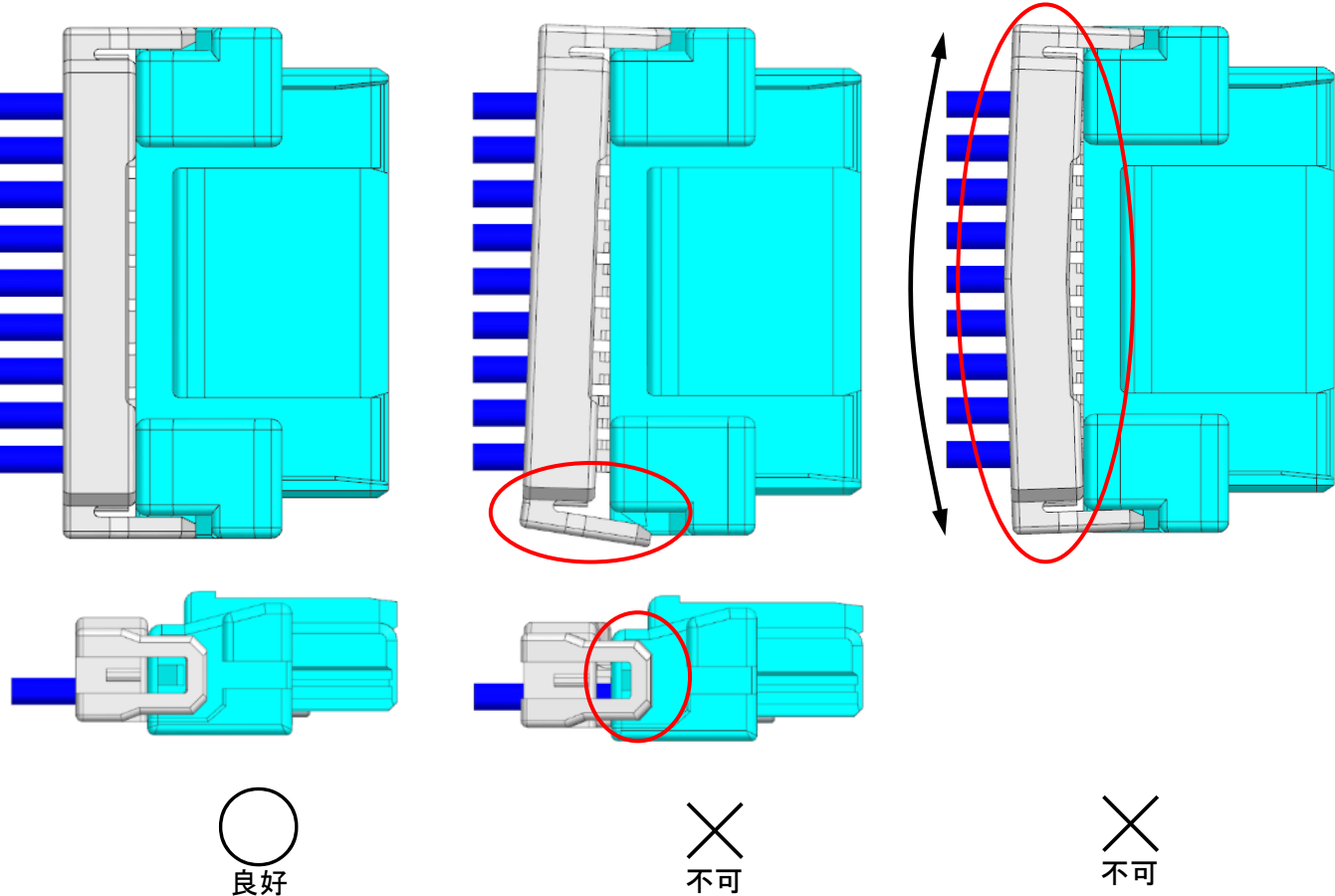


Fig.6-8 正しく装着されている場合

Fig.6-9 爪に乗り上げた状態

Fig.6-10 リテーナーがたわんだ状態

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	56 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

6-3. 圧着端子のリペアについて

リセプタクルターミナル

一度挿入した圧着端子を抜く時は、先の尖った針等を使いモールドランスを持ち上げながら引き抜いて下さい。但し、モールドランスを持ち上げると変形します。変形した箇所のランス強度は極端に低下するため、端子を再装着したとしても直ぐに抜けてくる可能性が御座います。

そのため、**圧着端子のリペアの際には新しいリセプタクルハウジングを必ず使用して下さい。**

また、拡大鏡等を使うなどして、十分御注意の上、作業を行って下さい。(Fig.6-11)

※端子を無理に引き抜くことは、必ず避けて下さい。

※リペアの際、端子のランス係止部の変形や傷を付けないように御注意下さい。

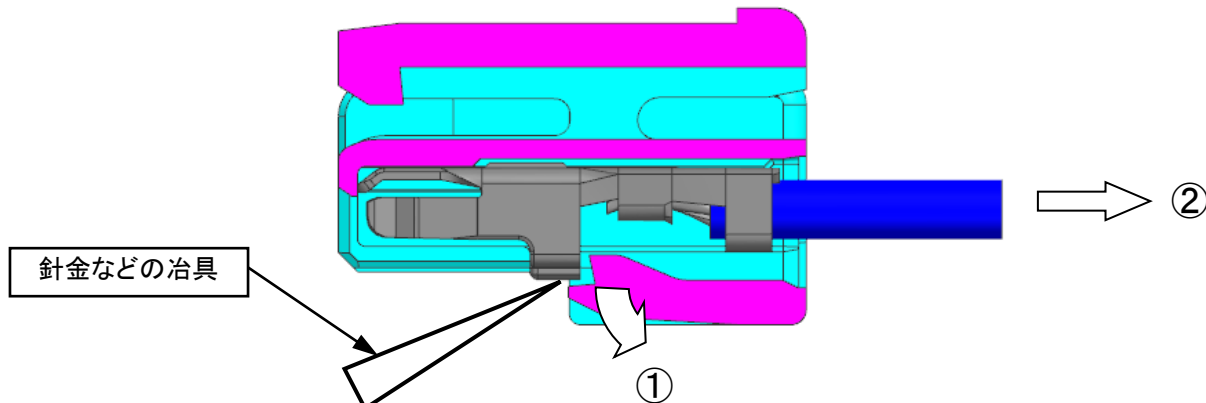


Fig.6-11

プラグターミナル

一度挿入したプラグ圧着端子を抜く時は、圧着端子引抜工具を使いターミナルランスを持ち上げながら引き抜いて下さい。ターミナルランスは持ち上げられることによって変形します。そのため、同じ圧着端子引抜工具の引き起こし部分を使って、ターミナルランスを引き起こしてください。

また、拡大鏡等を使うなどして、十分御注意の上、作業を行って下さい。(Fig.6-12)

※端子を無理に引き抜くことは、必ず避けて下さい。

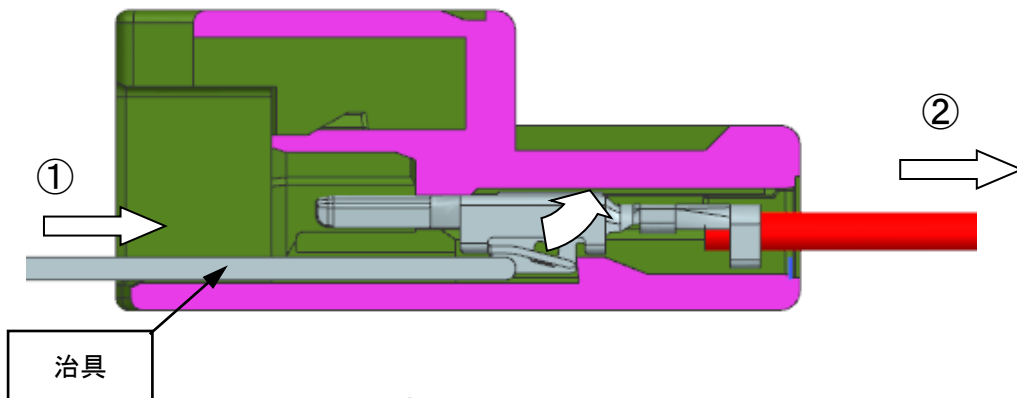


Fig.6-12

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	57 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

6-4. リテーナーの取り外しについて

一度挿入したリテーナーを取り外す時は①マイナスドライバー等を使ってリテーナーの両端ロック部を持ち上げ、②リテーナーを引き抜いてください。ただし、ロック部を大きく持ち上げると塑性変形します。変形したロック部は端子保持力が低下し、仕様の強度を満たさない可能性がございます。そのため、**リテーナーを取り外した際には、再利用せずに新しいリテーナーを御使用ください。** (Fig.6-13)

※ 必ず両端のロック部を持ち上げてから取り外してください。

※ リテーナーを無理に取り外すことは避けてください。ハウジングや端子、ケーブルを傷つける原因となります。

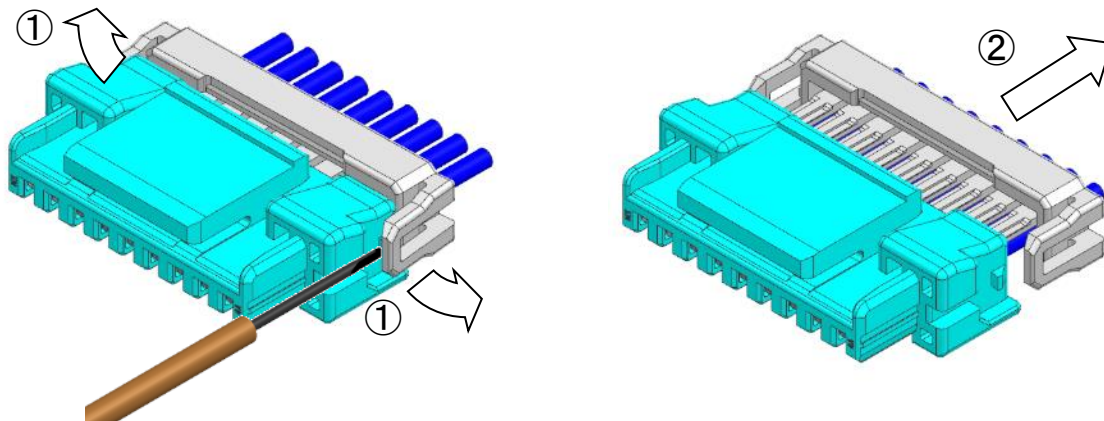


Fig.6-13

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION		MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION						
REVISED								
CHANGE NO.		757367						
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C
INITIAL APPR	AIDA	DATE	2022/07/04					

【7 ハーネス結束について】

ハーネス後の結束の際、下記の点に御配慮願います。

- ① 電線の結束は、コネクタから 50mm 以上のところで、電線に加わる力が均一になるようにして下さい。(Fig.7-1)
- ② ハーネス品で、電線一本(又は特定の数本)に力が加わらない様にして下さい。(Fig.7-2)

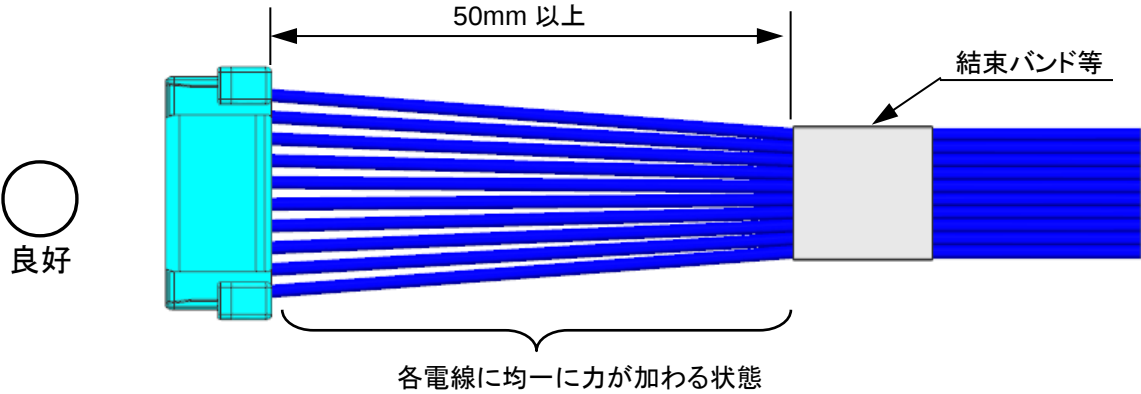


Fig.7-1 適切なハーネス結束状態

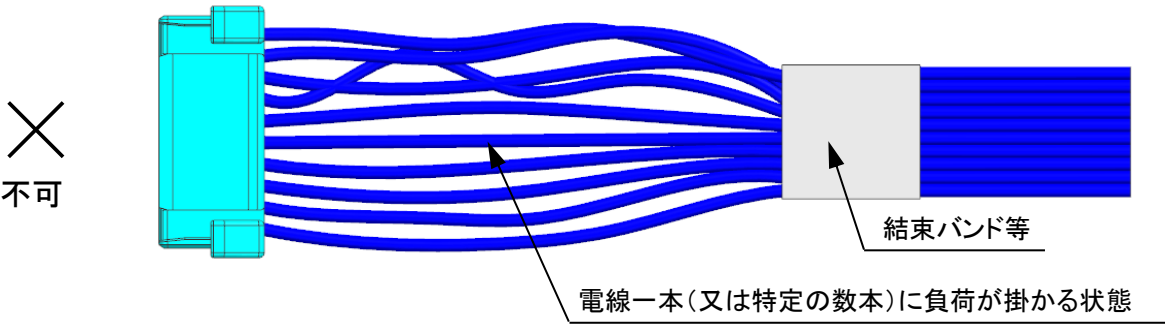


Fig.7-2 不適切なハーネス結束状態

注意事項

- ※ハーネス品同士が絡まっている場合、無理に引っ張らないで下さい。
過度な力が加わり端子が抜ける等の不具合が生じ、コネクタが破損する場合があります。
- ※製品を落したり、他のものにぶついたりしないで下さい。

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION			DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD			000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	59 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

【8. ハーネス梱包について】

ハーネス加工品を梱包する際の手順と注意事項(※)を下記に示します。

- ① ハーネス加工品を束ねる。一束で最大 20 本を目安として束ねるようにして下さい。

注意事項

※束ねる際に、常時無理な力が電線に加わらない様に、輪ゴムのような締め付けの強いものは使用 せず、ビニール紐で中央部(一箇所)を束ねて下さい。また、各束のコネクタにエアパッキンを巻き、衝撃や荷重からコネクタを保護する処置をお願い致します。(Fig.8-1)複数のハーネスを束にした際、コネクタ同士が接触し、ロック部に負荷が加わる場合があります。その場合、ロックが常に下がった状態になることで、ロック部変形等による性能不良の原因となります。

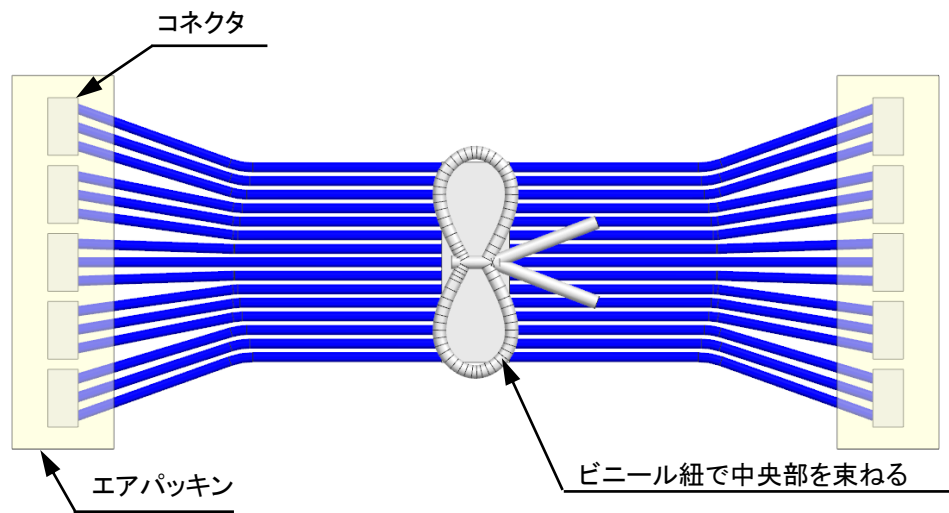


Fig.8-1 ハーネス加工品一束の状態図

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	60 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

② 梱包箱に束ねたハーネス加工品を入れる。
尚、下図 (Fig 8-2) は推奨参考例ですが、ハーネス長が長いなどの理由で他の梱包方式で御使用される場合にも段積みによる加重等の負荷がコネクタに長時間加わらない様御配慮をお願い致します。

注意事項

※ハーネス加工品の束を梱包箱に入れる際、積み重ねによる荷重等の負荷がコネクタに長時間加わらない様に、箱に合わせた形で製品を交互(十字型)に重ね合わせて下さい。(Fig.8-2 ①)
※梱包箱底面には、緩衝材等を敷いて下さい。また、段積みによる荷重等の負荷がコネクタに長時間加わらない様に、緩衝材を敷く等の御配慮をお願い致します。(Fig.8-2 ②)

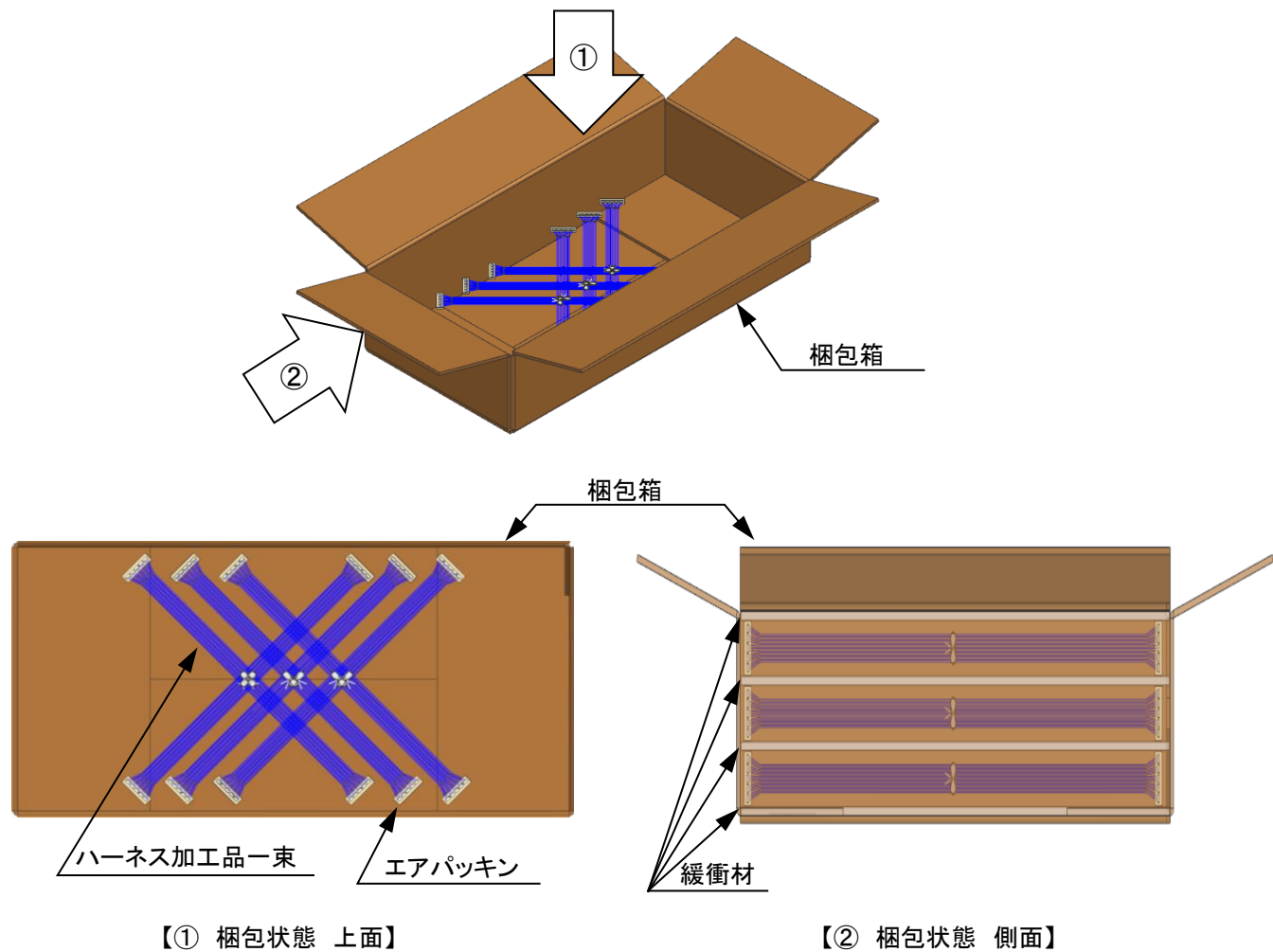


Fig.8-2 梱包状態図

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION			DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD			000	505565
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	61 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

【9. 基板への実装について】

スルーホールタイプのコネクタを実装する際には、下記の点に御配慮願います。(Fig-9-1)

- ① 実装する際は、コネクタを基板に対して水平に保持した状態で真っ直ぐに溶ダテールを基板穴へ挿入して下さい。斜めにしたりコジリを加えないで下さい。無理に斜め挿入を行った場合、ピンの変形、抜けが生じ、コネクタが破損します。
- ② スムーズに挿入できない場合は無理に挿入せず、製品や基板の変形、基板寸法等を御確認下さい。挿入以上が生じた状態で無理に挿入を行った場合には、ピンや基板に損傷を与える恐れがございます。

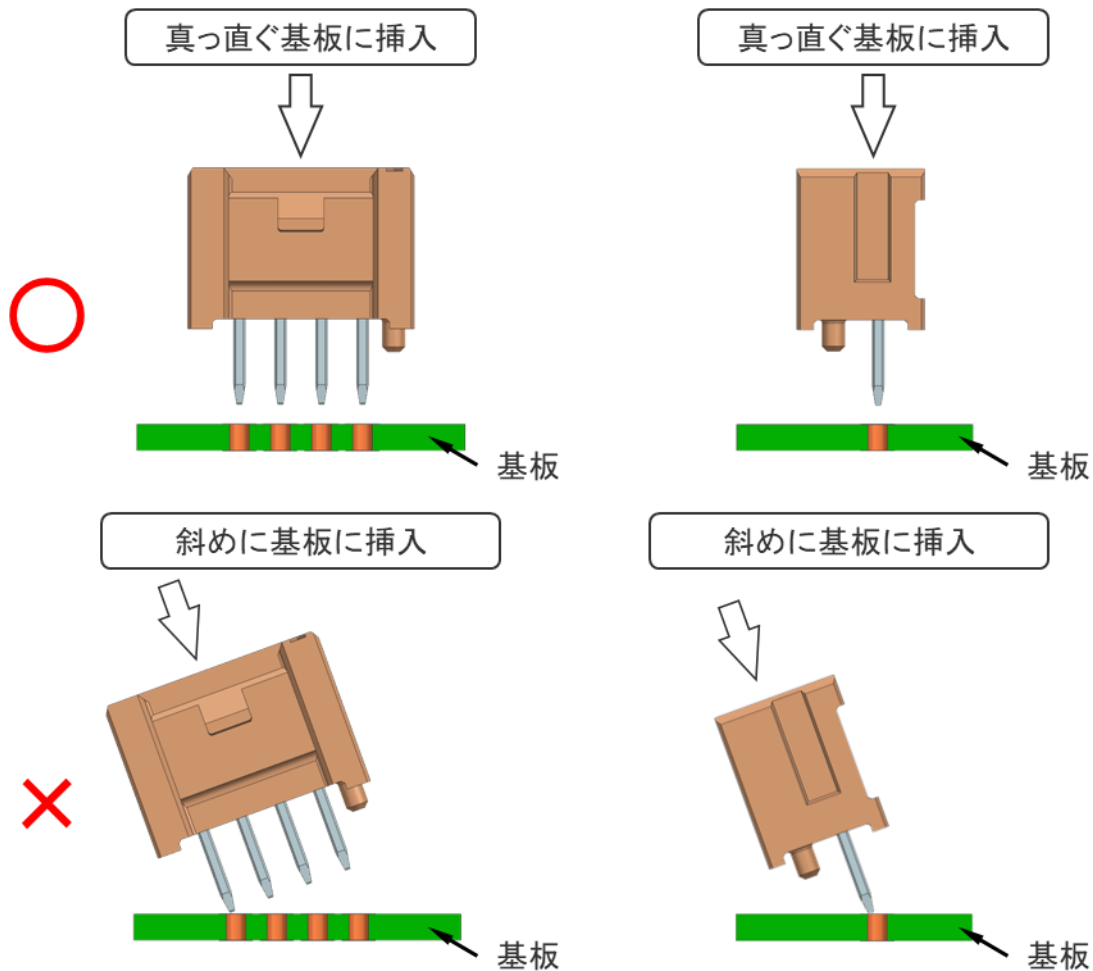


Fig.9-1 基板穴への溶ダテールの挿入

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION		REVISED		MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
CHANGE NO.		757367					
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER	REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS	C
INITIAL APPR	AIDA	DATE	2022/07/04				
							SHEET
							62 OF 66

【10.嵌合時に於ける注意事項】

10-1. 推奨挿入方法

プラグハウジングとリセプタクルハウジングの嵌合方向を合わせ、嵌合時にリセプタクルハウジングのピッチ方向の両端(矢印で示す部位)を押し、**コネクタ同士が突き当たる(完全嵌合位置)まで、真っ直ぐ押し込んで下さい。**また、嵌合後、ポジティブブロックが完全に掛かっていることを御確認下さい。(Fig.10-1-1,10-1-2)

電線 対 基板

リセプタクルハウジングの両端を
押して挿入して下さい

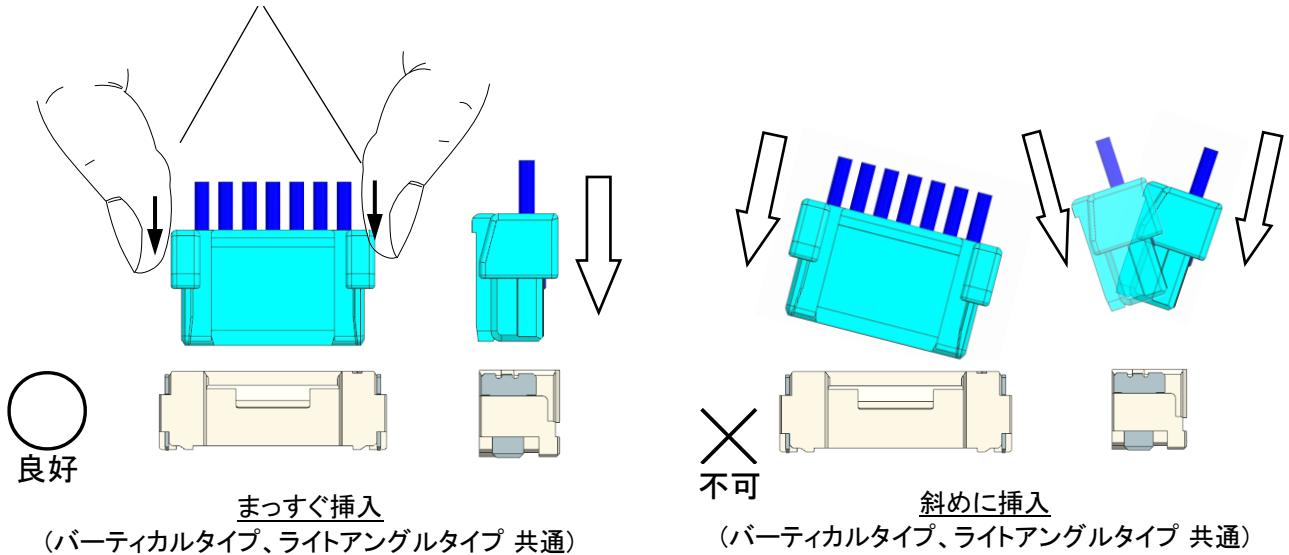


Fig.10-1-1

電線 対 電線

リセプタクルハウジングの両端を
押して挿入して下さい

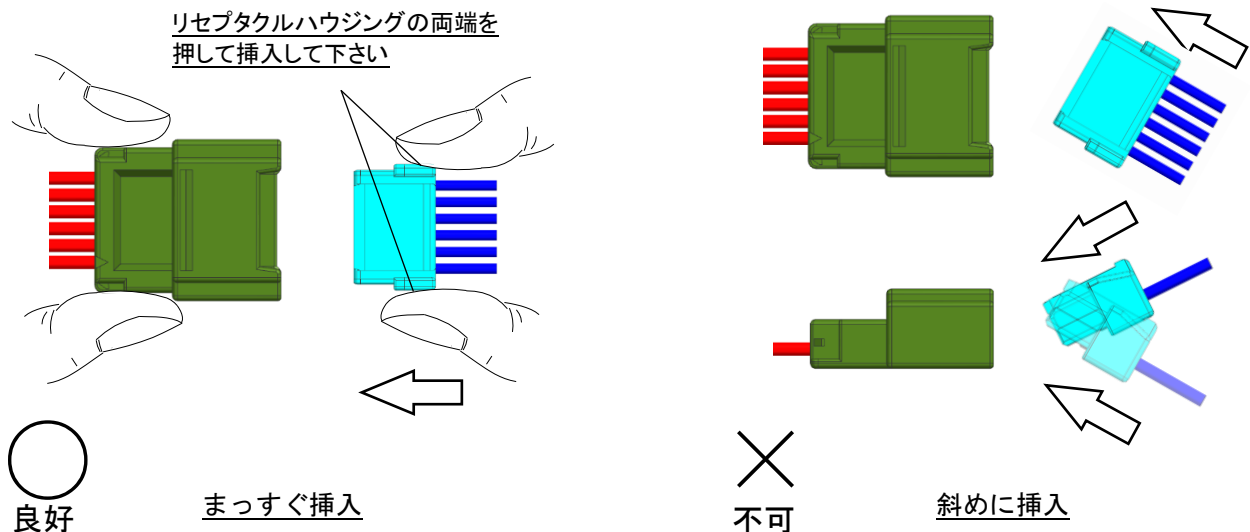


Fig.10-1-2

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	63 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

注意事項

- ※嵌合時、リセプタクルハウジングのポジティブロック部を押さないようにして下さい。
ロック部が嵌合相手の引っ掛かり部を乗り越える正規の動作が妨げられて、過度の負荷が加わり破損する恐れが御座います。
- ※リセプタクルハウジングを押して、まっすぐに突き当てるまで挿入して下さい。
本製品は、嵌合間口を深く設定し、斜め挿入しても間口で矯正され、挿入されるようにしておりますが、人為的に斜め状態を維持させて、ゆっくり挿入させた場合、弾性力のあるリセプタクルハウジングは変形しながら挿入されるため、片側しかロックされない状態を作り出す場合が御座います。(特に多極品の場合)
- ※スムーズに挿入できない場合は、端子やリセプタクルハウジングの変形などを確認して、嵌合方向マークを確認した上でもう一度挿入して下さい。

10-2. 推奨抜去方法

- 電線はまとめて軽くつかみ、リセプタクルハウジングのロックに指を添え、指の平を用いて、ロック解除用バーを押してロックを完全に解除してから、ゆっくり、軸方向にまっすぐに引き抜いて下さい。
また、斜めにこじりながら抜くことは避けてください。コネクタを破損させる恐れが御座います。(Fig.10-2)

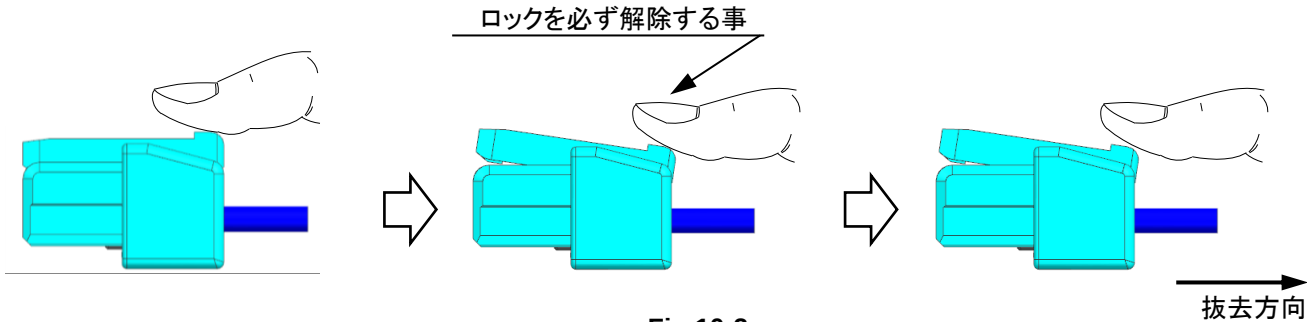


Fig.10-2

注意事項

- ※特定の数本のみ電線を摘んで抜去しないで下さい。
限定された端子に過度な負荷が集中し、コネクタの破損及び端子が抜ける可能性が御座います。
- ※抜去時は、ロックを完全に解除して下さい。本製品は、コネクタの抜け防止をポジティブロックに依存している構造となっております。ロックが完全に解除していない状態で、無理に抜こうとした場合コネクタが破損します。

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REVISION DESCRIPTION	REVISED			MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367								
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART	SERIES	
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000	505565	
INITIAL RELEASE				CUSTOMER		DOCUMENT NUMBER		REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL		5055650000-AS		C	64 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04						

10-3. 嵌合後の電線の引き回しについて

注意事項

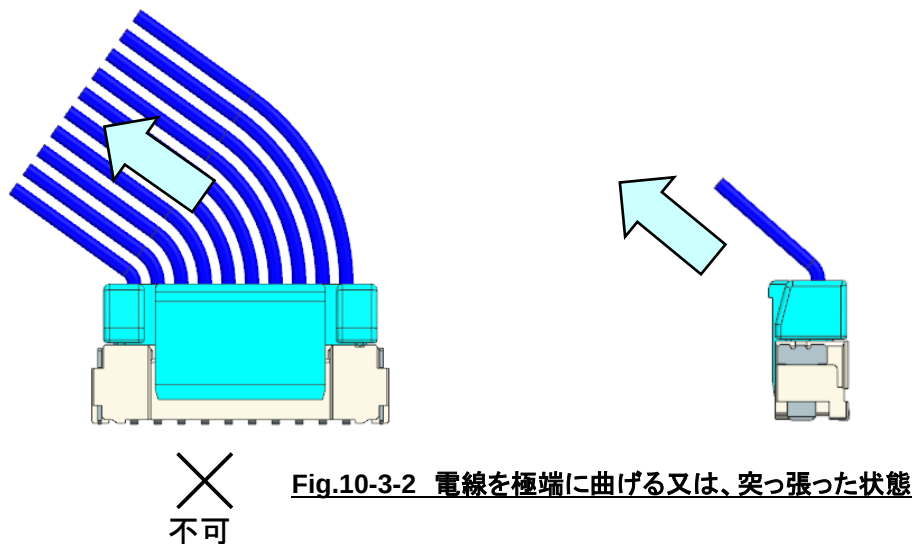
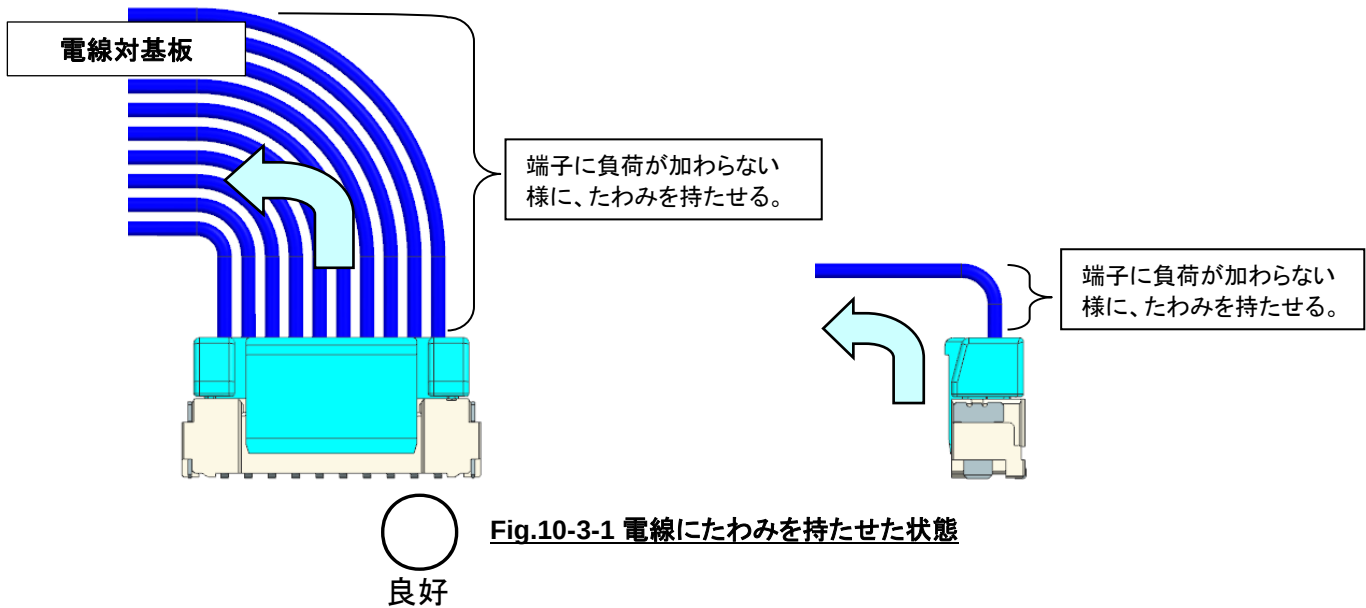
※機器内の引き回しを検討される際には、電線に十分なたわみを持たせる等の処置を検討頂き、直接コネクタに力が加わらないようにして下さい。(Fig.10-3-1/10-3-4)

※嵌合後、機器内での電線の引き回しの際には、電線を極端に曲げる、または突っ張る状態で使用しないで下さい。電線の引っ張り力、突っ張り力により端子圧着部やリセプタクルハウジングの端子装着部及び基板側のコネクタに力が加わり、接点不良の原因となります。特に、特定の電線のみに力が加わることは避けて下さい。(Fig.10-3-2/10-3-5)

※特定の電線一本に対して負荷が加わると電線(圧着端子)が抜ける可能性が御座います。

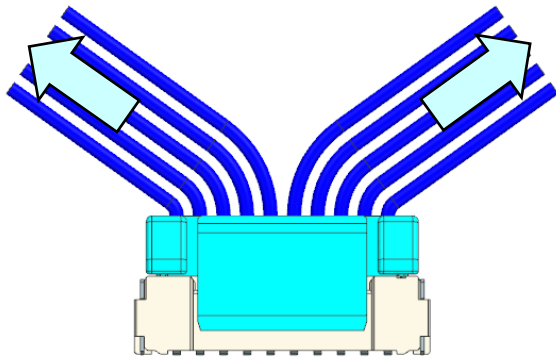
※嵌合後、機器内での電線の引き回しの際、2方向以上での引き回しは避けて下さい。(Fig.10-3-3/10-3-6)

※特殊な電線の引き回し(Fig10-3-2/10-3-3/10-3-5/10-3-6 等)を行う際には、事前に弊社へ確認の上ご使用下さい。



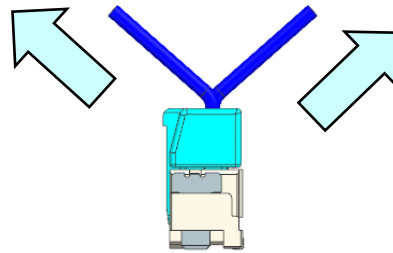
THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION		REVISED		MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION			
CHANGE NO.		757367					
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION		DOC PART
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD		000
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER		REVISION
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS		C
INITIAL APPR	AIDA	DATE	2022/07/04				
						65 OF 66	

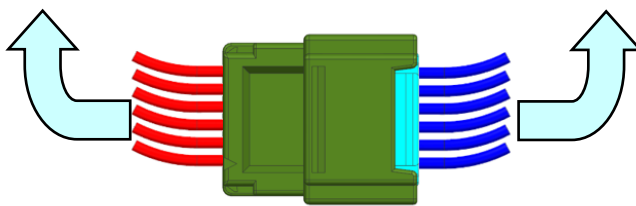


×
不可

Fig.10-3-3 2方向以上での電線引き回し状態

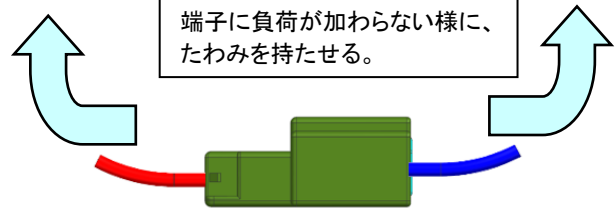


電線対電線

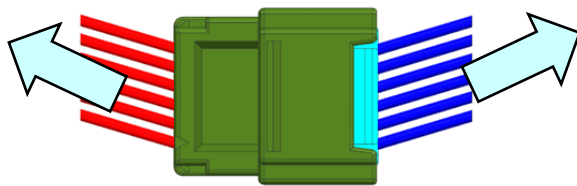


良好 ○

Fig.10-3-4 電線にたわみを持たせた状態

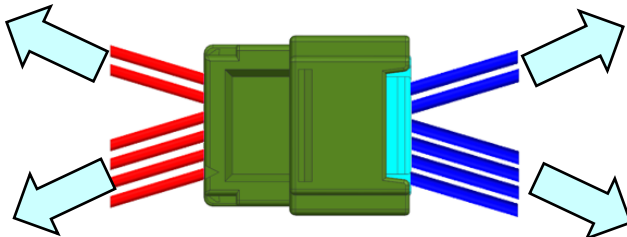


端子に負荷が加わらない様に、
たわみを持たせる。



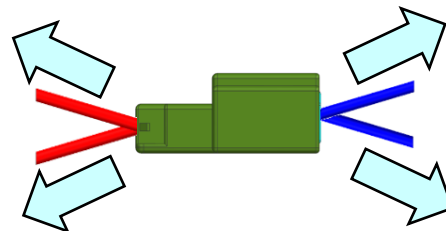
不可 ×

Fig.10-3-5 電線を極端に曲げる又は、突っ張った状態



不可 ×

Fig.10-3-6 2方向以上での電線引き回し状態



【11. ポッティング処理について】

11-1. 推奨ポッティング剤高さ

ポッティング高さについては 2059573000-SD PSD 000 を参照願います。

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISION DESCRIPTION	REVISED	MICRO-LOCK PLUS 1.25 SINGLE ROW APPLICATION SPECIFICATION					
CHANGE NO.	757367						
REVISED BY	SOKUMURA01	DATE	2022/12/28	DOC TYPE	DOC TYPE DESCRIPTION	DOC PART	SERIES
REV APPR BY	AIDA	DATE	2023/09/12	PS	APPLICATION SPECIFICATION WORD	000	505565
INITIAL RELEASE				CUSTOMER	DOCUMENT NUMBER	REVISION	SHEET
INITIAL DRWN	TENAGASE	DATE	2021/04/02	GENERAL	5055650000-AS	C	66 OF 66
INITIAL APPR	AIDA	DATE	2022/07/04				